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ARL STATISTICS

1978-79

**A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND TEN MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES**

Compiled by
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and
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**ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
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INTRODUCTION

The ARL Statistics for 1978-79 is compiled from the data of 110 research libraries, including five new ARL member libraries: University of Guelph, University of California at Riverside, University of New Mexico, York University, and Newberry Library. Due to this increase in the number of institutions covered, it is not possible to compare total figures for 1978-79 with totals from previous years.* However, examination of the 1978-79 median figures for university library members reveals the following trends:

- ARL academic libraries have increased only slightly in size since 1977-78: volumes held have increased only 2% and the size of staffs by only .8%. This slow growth has been paralleled by a 2.9% increase in operating expenditures and a slightly higher, 3.6%, increase in expenditures for salaries and wages. Salaries and wages continue to account for approximately 56% of total operating expense.

- In 1978-79, volumes added rose by 4%, bringing the median figure up to that reported in 1976-77 (approximately 74,000) after a decline in 1977-78. At the same time, materials expenditures rose 11%. As in 1977-78, materials expenditures accounted for approximately 30% of total operating expenses.

- In contrast to other expenditures, serials expenditures rose at a rate greater than that of inflation, increasing 16.3%, while the median number of current serials in ARL academic libraries was actually .9% lower than in 1977-78. Outlays for serials accounted for 54% of expenditures for materials.

- Despite striking changes in interlibrary loan activity in several member libraries, the median ratio of items loaned to items borrowed remained at 2.4:1, a ratio which has been stable in ARL academic libraries over the past several years.

The ARL Statistics provides an overview of the size and expenditures of large research libraries in North America. The Rank Order Tables are particularly useful for describing a range and distribution pattern for certain variables. However, the Statistics are weakest when used to compare one institution with another for several reasons, including: 1) differing interpretations of the information requested reduce the comparability of the data in many categories; 2) regional differences in cost of living affect expenditures; 3) Canadian dollars have not been discounted; 4) funds and staff for special projects and grants are included in some of the figures. While many of the discrepancies are clarified by footnotes, they do affect the validity of the rankings shown on pages 22-24.

In comparing any individual library to ARL medians or to other ARL institutions, evaluations must be made within the context of local goals and characteristics. The tables presented in this publication are in no way intended to imply qualitative evaluations of the institutions described.

Carol A. Mandel
ARL Associate Executive Director
December 19, 1979

*Totals are also sometimes inaccurate because of the unavailability of some figures in several categories.

ASSOCIATION OF RESEARCH LIBRARIES

ACADEMIC LIBRARY STATISTICS

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (Net)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
1 *CL	1,219,094	51,962	48,729	877,530	12,476	1,872	2,026	3,898	1,325	1,640	2,965
2 +CLM	1,980,523	91,639	89,459	1,336,479	14,271	2,529	5,083	7,612	1,919	2,923	4,842
3 C	2,184,023	98,539	95,695	1,192,006	18,337	5,249	4,052	9,301	1,628	1,339	2,967
4 C	1,384,266	82,798	53,751	1,016,317	16,768	4,014	3,074	7,088	3,302	2,466	5,768
5+LM	1,287,618	42,098	22,252	1,065,858	23,453	2,890	3,975	6,865	979	3,219	4,198
6 +C	1,367,073	56,362	55,084	716,522	17,411	2,998	1,397	4,395	2,076	2,031	4,107
7 +CLM	2,018,865	83,838	77,082	2,157,802	22,982	11,453	11,705	23,158	3,243	3,549	6,792
8+*CM	1,636,206	42,632	40,865	580,106	14,511	1,374	2,451	3,825	846	210	1,056
9+$CL	5,597,154	169,857	157,271	1,440,011	99,873	12,110	14,700	26,810	6,841	2,795	9,636
10+*LM	1,525,544	74,421	71,049	1,348,277	41,684	8,166	20,669	28,835	2,706	1,656	4,362
11 +CLM	4,109,146	129,752	117,029	1,790,737	56,316	13,127	39,111	52,238	5,154	1,591	6,745
12 C	947,698	32,748	32,625	730,208	17,925	1,534	1,534	3,068	2,497	3,846	6,343
13 +CM	1,332,525	58,903	48,467	671,870	25,648	4,500	11,340	15,840	2,718	2,029	4,747
14 C	1,325,063	51,922	49,752	1,412,674	18,075	1,125	1,212	2,337	3,821	3,674	7,495
15 +CLM	1,346,464	29,016	25,420	369,678	13,422	15,460	27,363	42,823	2,488	2,060	4,548
16 +CLM	4,182,938	175,566	163,468	692,540	44,004	4,041	18,060	22,101	2,712	3,083	5,795
17+LM	1,217,245	45,286	26,341	957,546	16,329	6,399	7,434	13,833	2,721	5,056	7,777
18 CL	1,811,881	58,511	50,250	1,923,106	10,990	4,335	6,131	10,466	3,821	3,341	7,162
19 $C	1,182,029	54,758	51,070	488,113	16,794	3,436	6,167	9,603	2,091	2,595	4,686
20 CLM	4,924,469	116,343	91,778	1,981,523	57,388	4,685	9,939	14,624	N/A	N/A	4,340
21 LM	1,710,546	71,794	68,384	1,174,434	18,969	6,449	11,122	17,571	2,944	4,468	7,412
22 +L	4,207,146	118,031	111,912	1,977,023	51,917	6,180	15,721	21,901	1,525	3,958	5,483
23+CM	1,347,738	55,087	82,077	767,085	17,253	4,223	3,681	7,904	1,429	1,878	3,307

\+ - See Footnotes
* - Bibliographic count
$ - Fringe Benefits Included in Salaries

C - Includes figures for main campus only
L - Includes Law Library
M - Includes Medical Library

N/A - Figures not available

GUIDE TO LIBRARY CODE NUMBERS

GUIDE TO LIBRARY CODE NUMBERS

The institutions listed below are the 110 institutions which were members of the ARL in 1979. Each has been assigned a code number which has been used on the charts on pages 2-11 in place of the names of the institutions. (See columns labeled "Library Code No." to the left of columns 1 and 12). Numbers 1-98 have been used to designate the 98 university library members of the Association. Numbers 99-110 designate the 12 nonuniversity members.

1. Alabama
2. Alberta
3. Arizona
4. Arizona State
5. Boston
6. Brigham Young
7. British Columbia
8. Brown
9. Calif., Berkeley
10. Calif., Davis
11. Calif., Los Angeles
12. Calif., Riverside
13. Calif., San Diego
14. Calif., Santa Barbara
15. Case Western Reserve
16. Chicago
17. Cincinnati
18. Colorado
19. Colorado State
20. Columbia
21. Connecticut
22. Cornell
23. Dartmouth
24. Duke
25. Emory
26. Florida
27. Florida State
28. Georgetown
29. Georgia
30. Guelph
31. Harvard
32. Hawaii
33. Houston
34. Howard
35. Illinois
36. Indiana
37. Iowa
38. Iowa State
39. Johns Hopkins
40. Joint University
41. Kansas
42. Kent State
43. Kentucky
44. Louisiana State
45. McGill
46. McMaster
47. Maryland
48. Massachusetts
49. MIT
50. Miami
51. Michigan
52. Michigan State
53. Minnesota
54. Missouri
55. Nebraska
56. New Mexico
57. New York
58. North Carolina
59. Northwestern
60. Notre Dame
61. Ohio State
62. Oklahoma
63. Oklahoma State
64. Oregon
65. Pennsylvania
66. Pennsylvania State
67. Pittsburgh
68. Princeton
69. Purdue
70. Queen's
71. Rice
72. Rochester
73. Rutgers
74. South Carolina
75. Southern California
76. Southern Illinois
77. Stanford
78. SUNY-Albany
79. SUNY-Buffalo
80. SUNY-Stony Brook
81. Syracuse
82. Temple
83. Tennessee
84. Texas
85. Texas A & M
86. Toronto
87. Tulane
88. Utah
89. Virginia
90. Virginia Polytechnic
91. Washington
92. Washington State
93. Washington Univ., St. Louis
94. Wayne State
95. Western Ontario
96. Wisconsin
97. Yale
98. York
*99. Boston Public Library
*100. Center for Research Libraries
*101. John Crerar Library
*102. Library of Congress
*103. Linda Hall Library
*104. National Agricultural Library
*105. National Library of Canada
*106. National Library of Medicine
*107. Newberry Library
*108. New York Public Library
*109. New York State Library
*110. Smithsonian Institution

*Nonuniversity library

ASSOCIATION OF RESEARCH LIBRARIES

ACADEMIC LIBRARY STATISTICS

	EXPENDITURES							PERSONNEL			
LIBRARY CODE NO.	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF FTE	NON-PROF. STAFF FTE	STUDENT ASSTS. FTE	TOTAL STAFF FTE
	12	12.5	13	14	15	16	17	18	19	20	21
1	932,375	565,941	50,138	982,513	1,224,345	186,238	2,393,096	42	61	51	154
2	2,594,383	902,522	155,096	2,749,479	4,957,861	364,540	8,071,880	79	277	32	388
3	2,481,478	891,343	162,452	2,643,930	2,384,991	349,707	5,378,628	58	137	60	255
4	1,635,074	635,028	92,076	1,727,150	1,947,663	276,043	3,950,856	43	110	75	228
5	1,154,201	700,607	69,463	1,223,664	2,120,519	308,573	3,652,756	65	130	60	255
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	55	63	114	232
7	2,722,613	N/A	184,223	2,906,836	6,515,980	976,638	10,399,454	100	304	50	454
8	1,029,616	510,928	110,249	1,139,865	1,707,903	302,715	3,150,483	46	98	41	185
9	3,164,447	1,403,981	316,647	3,481,094	9,468,708	1,571,063	14,520,865	141	249	212	602
10	2,313,202	1,166,479	191,401	2,504,603	3,705,068	601,772	6,811,443	63	165	56	284
11	3,120,650	1,367,795	432,022	3,552,672	7,321,908	1,059,040	11,933,620	156	277	107	540
12	1,028,195	459,992	99,400	1,127,595	2,047,042	436,122	3,610,759	35	96	34	165
13	1,722,651	787,029	175,724	1,898,375	3,197,394	757,963	5,853,732	53	149	47	249
14	1,643,410	821,000	121,559	1,764,969	3,157,819	432,261	5,355,049	55	143	72	270
15	894,353	723,346	67,456	961,809	1,809,937	258,663	3,030,409	61	91	30	182
16	1,700,385	1,066,014	215,909	1,916,294	3,472,012	1,026,260	6,414,566	70	157	77	304
17	1,230,585	541,330	59,818	1,290,403	2,932,299	296,438	4,519,140	64	160	64	288
18	1,066,787	553,243	72,013	1,138,800	2,178,775	263,613	3,581,188	42	99	37	178
19	781,235	494,830	76,953	858,188	1,633,242	355,107	2,846,537	43	72	15	130
20	2,163,221	1,196,863	210,454	2,373,675	5,555,251	772,459	8,701,385	140	277	98	515
21	1,715,247	750,058	67,789	1,783,036	2,441,547	334,215	4,558,798	61	97	61	219
22	2,494,732	N/A	188,879	2,683,611	4,897,503	897,450	8,478,564	123	285	75	483
23	1,068,668	656,401	33,238	1,101,906	1,375,271	394,755	2,871,932	32	99	24	155

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						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (Net)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
24 +* CLM	3,022,839	81,730	78,106	318,222	32,140	8,911	16,460	25,371	1,518	1,725	3,243
25 +LM	1,588,158	59,787	56,538	838,173	14,524	4,355	8,156	12,511	1,875	2,011	3,886
26 + CLM	2,079,344	139,413	136,204	1,200,148	23,080	3,737	12,922	16,659	1,693	5,282	6,975
27 CL	1,338,701	74,967	72,443	1,793,217	13,543	4,663	3,618	8,281	1,775	801	2,576
28 +LM	1,192,353	68,377	64,759	599,836	16,343	1,653	3,551	5,204	607	2,320	2,927
29 CL	1,893,897	83,728	82,662	1,709,004	31,039	9,511	10,485	19,996	4,487	2,072	6,559
30 +*C	1,082,918	79,098	76,662	669,012	8,132	165	1,794	1,959	940	1,708	2,648
31 + CLM	9,913,992	241,400	160,778	1,937,315	95,000	5,197	36,453	41,650	2,900	2,792	5,692
32 +C	1,663,639	65,811	61,107	1,103,650	27,724	1,870	4,619	6,489	880	1,582	2,462
33 +L	1,650,049	79,743	75,960	2,021,729	17,596	3,390	3,721	7,111	2,008	2,207	4,215
34 +LM	1,058,514	46,021	46,021	802,548	9,427	1,981	2,105	4,086	922	993	1,915
35 CL	5,759,666	161,279	136,728	1,377,970	91,913	27,660	27,320	54,980	3,952	2,524	6,476
36 +LM	5,029,534	235,210	214,248	1,569,211	44,140	21,706	22,595	44,301	11,550	12,532	24,082
37 CLM	2,216,970	89,522	80,071	1,383,829	27,794	5,548	13,549	19,097	3,852	2,709	6,561
38 C	1,296,074	59,446	47,252	982,529	18,504	4,609	9,652	14,261	1,716	1,816	3,532
39 +M	2,287,058	42,638	36,312	1,082,320	14,270	N/A	N/A	9,278	N/A	N/A	8,704
40 + CLM	1,449,616	50,148	44,323	968,142	15,439	4,533	2,713	7,246	2,371	1,995	4,366
41 LM	2,079,434	87,612	83,544	887,798	27,645	15,806	9,484	25,290	5,131	4,783	9,914
42 +C	1,317,916	76,734	72,566	843,774	8,899	9,442	2,977	12,419	2,042	1,689	3,731
43 + CLM	1,753,044	56,333	46,391	1,863,084	25,310	3,951	8,906	12,857	2,078	3,817	5,895
44 + CLM	1,760,696	56,045	52,362	940,322	17,908	3,585	3,504	7,089	3,843	1,961	5,804
45 +* LM	1,938,334	77,127	66,553	402,387	16,097	8,448	21,683	30,131	4,424	2,168	6,592
46 CM	940,261	40,893	40,062	841,588	9,830	2,895	2,208	5,103	2,655	2,963	5,618

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ASSOCIATION OF RESEARCH LIBRARIES

ACADEMIC LIBRARY STATISTICS

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	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF FTE	NON-PROF. STAFF FTE	STUDENT ASSTS. FTE	TOTAL STAFF FTE
	12	12.5	13	14	15	16	17	18	19	20	21
24	1,801,479	928,080	123,274	1,924,753	3,036,444	543,467	5,504,664	86	168	69	323
25	1,523,009	718,644	95,097	1,618,106	1,699,187	262,181	3,579,474	54	89	33	176
26	3,724,602	1,064,000	381,967	4,106,569	2,945,462	433,523	7,485,554	79	129	79	287
27	2,959,081	799,089	158,545	3,117,626	1,781,129	283,370	5,182,125	54	93	38	185
28	1,143,083	546,759	88,052	1,231,135	2,205,481	392,213	3,828,829	51	86	70	207
29	2,079,431	1,110,638	161,267	2,240,698	2,374,884	396,534	5,012,116	62	159	43	264
30	1,055,334	535,491	57,668	1,113,002	2,129,866	200,774	3,443,642	38	119	15	172
31	4,262,774	2,195,122	482,059	4,744,833	9,700,694	2,178,456	16,623,983	263	528	122	913
32	1,323,880	649,100	114,000	1,437,880	2,670,292	679,262	4,787,434	62	94	69	225
33	1,816,760	915,328	102,602	1,919,362	2,535,061	565,154	5,019,577	70	170	75	315
34	1,290,499	462,603	38,008	1,328,507	2,896,287	389,691	4,614,485	76	108	31	215
35	2,759,245	1,421,500	183,094	2,942,339	5,179,038	1,062,715	9,184,092	138	398	116	652
36	3,714,979	1,704,992	220,123	3,935,102	6,424,088	974,931	11,334,121	180	300	195	675
37	2,125,288	1,164,103	178,368	2,303,656	2,857,126	188,123	5,348,905	77	109	65	251
38	1,464,652	887,005	100,199	1,564,851	2,053,020	266,691	3,884,562	48	114	44	206
39	1,231,659	829,598	66,666	1,298,325	2,291,206	880,682	4,470,213	55	136	28	219
40	1,196,879	743,255	80,875	1,277,754	1,769,554	656,885	3,704,193	54	99	54	207
41	1,718,395	813,305	105,634	1,824,029	2,595,646	556,548	4,976,223	71	126	65	262
42	635,784	353,909	55,184	690,968	1,353,784	145,199	2,189,951	26	62	27	115
43	1,476,197	887,288	97,829	1,574,026	2,289,067	648,347	4,511,440	66	123	65	254
44	1,526,627	765,830	92,773	1,619,400	1,830,771	417,342	3,867,513	49	88	59	196
45	1,688,313	974,005	123,419	1,811,732	5,794,068	332,826	7,938,626	89	248	26	363
46	1,850,601	681,195	55,505	1,906,106	2,436,250	253,242	4,595,598	38	155	17	210

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ACADEMIC LIBRARY STATISTICS

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (Net)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
47 +C	1,335,018	57,712	51,891	1,246,664	16,161	5,099	3,792	8,891	1,289	862	2,151
48 C	1,654,927	71,957	67,274	729,563	14,180	3,229	4,189	7,418	2,990	2,149	5,139
49 C	1,759,971	71,388	50,224	852,957	18,849	3,336	13,360	16,696	1,819	1,810	3,629
50 LM	1,301,100	49,406	46,719	1,041,301	13,476	2,688	5,985	8,673	1,492	3,067	4,559
51 +CLM	5,135,952	119,465	86,451	1,621,909	52,460	7,180	11,121	18,301	3,207	1,582	4,789
52 +C	2,523,553	101,898	91,878	1,074,167	24,406	5,280	17,884	23,164	2,346	2,332	4,678
53 +CLM	3,702,599	87,705	79,138	1,126,011	44,450	35,030	82,455	117,485	7,162	8,084	15,246
54 CLM	1,984,632	57,015	55,400	2,040,615	20,187	8,640	8,486	17,126	2,372	1,971	4,343
55 +L	1,441,515	60,379	57,088	943,708	21,707	4,509	6,367	10,876	2,258	1,627	3,885
56 +C	962,804	60,433	45,025	1,261,000	13,052	2,732	1,275	4,007	2,474	953	3,427
57 +LM	2,700,201	104,658	103,133	1,366,699	23,686	4,305	5,602	9,907	1,377	1,818	3,195
58 +CLM	2,487,122	120,668	113,523	1,329,557	35,479	7,878	10,992	18,870	1,887	3,160	5,047
59 +LM	2,714,938	81,433	69,512	825,982	29,087	3,564	5,470	9,034	1,936	1,899	3,835
60 +CL	1,383,114	41,180	36,310	670,742	14,295	579	2,043	2,622	1,076	1,111	2,187
61 +CLM	3,446,729	103,210	75,210	1,530,596	30,667	12,127	30,375	42,502	3,761	3,219	6,980
62 +LM	1,731,113	45,390	44,156	1,087,959	15,016	3,840	23,423	27,263	3,732	4,943	8,675
63 +C	1,230,802	24,299	20,396	831,595	9,518	3,332	3,606	6,938	1,918	1,782	3,700
64 +CL	1,424,882	48,253	47,677	642,404	22,064	6,994	1,979	8,973	2,984	1,970	4,954
65 CLM	2,889,788	80,068	68,224	1,372,445	26,185	7,767	5,733	13,500	3,501	3,175	6,676
66 +	2,092,139	80,233	64,727	2,108,836	22,777	7,996	9,032	17,028	3,059	2,969	6,028
67 +LM	2,375,542	97,204	92,301	1,128,925	19,428	3,813	22,387	26,200	3,266	5,611	8,877
68 +C	3,172,238	82,632	80,335	1,210,189	31,361	2,976	9,541	7,517	1,673	1,285	2,958
69 C	1,388,152	44,064	30,377	955,599	18,125	2,510	8,723	11,233	2,743	2,542	5,285

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ASSOCIATION OF RESEARCH LIBRARIES

ACADEMIC LIBRARY STATISTICS

	EXPENDITURES							PERSONNEL			
LIBRARY CODE NO.	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF FTE	NON-PROF. STAFF FTE	STUDENT ASSTS. FTE	TOTAL STAFF FTE
	12	12.5	13	14	15	16	17	18	19	20	21
47	1,658,643	895,359	149,601	1,808,244	3,480,421	514,331	5,802,996	84	170	92	346
48	1,030,813	682,846	57,204	1,088,017	2,281,650	249,191	3,618,858	59	111	51	221
49	1,050,515	685,273	71,137	1,121,652	2,377,669	374,764	3,874,085	65	146	33	244
50	1,165,687	655,476	72,917	1,238,604	1,839,933	496,413	3,574,950	49	106	50	205
51	2,529,438	1,422,338	215,512	2,744,950	6,023,018	685,638	9,453,606	152	320	112	584
52	1,663,282	930,597	117,227	1,780,509	3,096,584	536,239	5,413,332	76	127	99	302
53	2,062,676	1,184,730	179,604	2,242,280	5,527,549	617,629	8,387,458	129	175	130	434
54	1,404,436	968,200	89,200	1,493,636	1,897,555	279,086	3,670,277	55	109	44	208
55	1,423,331	853,425	83,153	1,506,484	1,889,354	349,591	3,745,429	55	104	43	202
56	1,131,000	480,500	69,000	1,200,000	1,991,500	181,000	3,372,500	42	100	65	207
57	1,675,404	839,334	129,426	1,804,830	3,577,711	514,943	5,897,484	75	181	63	319
58	2,489,464	746,535	150,966	2,640,430	3,752,257	612,294	7,004,981	107	190	59	355
59	1,652,746	935,211	123,707	1,776,453	3,847,422	1,724,992	7,348,867	100	150	94	344
60	1,066,090	585,001	58,457	1,124,547	1,301,510	182,336	2,608,393	39	85	25	149
61	1,676,993	952,842	29,026	1,706,019	4,534,692	1,001,562	7,242,273	101	209	128	438
62	1,091,606	658,836	56,152	1,147,758	1,548,021	321,769	3,017,548	48	86	46	180
63	631,031	469,592	49,228	680,259	1,052,146	218,202	1,950,607	36	49	44	129
64	1,381,080	664,988	60,741	1,441,821	2,022,466	211,963	3,676,250	49	81	38	168
65	1,471,368	829,243	238,218	1,709,586	3,679,420	532,592	5,921,598	88	154	69	311
66	1,860,518	1,025,878	110,415	1,970,933	4,680,684	537,399	7,189,016	101	274	53	428
67	1,566,108	871,039	98,004	1,664,112	3,425,697	397,087	5,486,896	148	122	79	349
68	2,199,875	1,112,294	112,832	2,312,707	3,964,738	590,453	6,867,898	92	235	55	382
69	1,326,001	860,365	76,978	1,402,979	2,536,488	311,011	4,250,478	42	176	41	259

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ASSOCIATION OF RESEARCH LIBRARIES

ACADEMIC LIBRARY STATISTICS

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (Net)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
+* 70 CLM	1,328,012	44,852	39,964	658,819	13,629	2,410	2,005	4,415	2,845	3,111	5,956
71 C	901,953	21,276	20,368	1,115,251	8,655	1,546	2,317	3,863	1,292	809	2,101
72+M	1,647,000	54,100	52,700	1,526,892	11,300	4,700	11,000	15,700	3,000	3,300	6,300
73+LM	2,166,200	90,402	77,041	1,334,430	24,436	6,260	23,376	29,636	2,220	2,299	4,519
+ 74 CLM	1,752,407	97,566	97,087	1,580,440	16,674	5,567	5,683	11,250	1,836	1,669	3,505
75 +LM	1,957,853	96,881	91,692	1,172,760	26,704	2,863	3,846	6,709	1,437	1,356	2,793
76 +LM	1,643,598	58,869	54,722	1,829,490	21,308	16,251	12,586	28,837	4,257	3,318	7,575
77 +LM	4,577,827	134,807	89,596	1,981,748	41,292	9,833	11,614	21,447	2,534	1,320	3,854
78 +C	921,019	46,652	42,450	1,547,159	14,212	3,404	3,987	7,391	3,888	4,683	8,571
79 +LM	1,884,943	83,061	74,245	1,556,476	19,781	3,537	10,730	14,267	2,852	3,946	6,798
80 +CM	1,176,920	52,892	51,888	1,501,625	12,811	1,986	7,413	9,399	N/A	N/A	4,731
+* 81 CL	1,822,027	74,134	69,574	1,715,889	21,715	1,576	2,284	3,860	1,573	1,627	3,200
82 +LM	1,544,274	54,830	43,249	773,167	13,479	4,753	3,445	8,198	1,341	2,035	3,376
83 +CL	1,436,193	54,802	45,652	1,241,006	25,367	7,380	5,077	12,457	1,811	2,027	3,838
84 +CL	4,406,193	253,578	182,092	1,990,097	60,000	9,384	6,724	16,108	5,473	2,963	8,436
85 +CM	1,240,829	79,300	72,245	1,183,871	15,964	4,533	13,656	18,189	3,161	3,738	6,899
86 +LM	4,320,444	219,903	154,733	1,193,689	41,646	6,415	5,005	11,420	2,688	3,129	5,817
87 LM	1,342,878	47,810	34,153	808,672	9,550	N/A	N/A	10,120	N/A	N/A	6,032
88 CM	1,921,278	114,552	110,007	1,347,371	17,762	4,622	2,381	7,003	3,384	2,256	5,640
+ 89 CLM	2,351,842	112,121	108,574	2,206,241	21,459	6,677	2,422	9,099	1,935	580	2,515
90 C	1,141,267	77,883	70,718	2,645,894	21,735	2,190	4,707	6,897	1,549	1,972	3,521
+ 91 CLM	3,788,788	183,966	169,937	2,665,263	46,447	23,559	86,400	109,959	3,499	1,731	5,230
92 +C	1,189,899	48,477	46,611	1,565,203	27,816	2,735	2,091	4,826	1,223	1,594	2,817

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ASSOCIATION OF RESEARCH LIBRARIES

ACADEMIC LIBRARY STATISTICS

LIBRARY CODE NO.	EXPENDITURES							PERSONNEL			
	LIBRARY MATERIALS	CURRENT SERIALS	BINDING	TOTAL MATERIALS & BINDING	TOTAL SALARIES & WAGES	OTHER OPERATING EXPENDITURES	TOTAL LIBRARY OPERATING EXPENDITURES	PROF. STAFF FTE	NON-PROF. STAFF FTE	STUDENT ASSTS. FTE	TOTAL STAFF FTE
	12	12.5	13	14	15	16	17	18	19	20	21
70	1,120,146	483,500	71,174	1,191,320	2,665,954	236,457	4,113,731	49	170	32	251
71	851,070	466,936	43.577	894,647	1,015,638	257,199	2,167,484	30	51	9	90
72	1,262,000	749,000	87,000	1,349,000	1,957,000	305,000	3,611,000	51	72	30	153
73	2,713,000	1,474,784	144,000	2,857,000	5,116,000	602,000	8,575,000	116	213	101	430
74	1,503,721	692,720	98,921	1,602,642	1,956,759	222,062	3,781,463	58	104	37	199
75	1,892,192	951,246	109,756	2,001,948	3,078,123	525,676	5,605,747	81	146	80	307
76	1,622,240	1,063,478	102,654	1,724,894	2,833,006	522,685	5,080,585	66	120	91	277
77	3,681,762	1,479,727	241,677	3,923,439	6,418,214	1,077,177	11,418,830	140	302	80	522
78	1,068,000	736,295	40,963	1,108,963	1,816,556	225,037	3,150,556	50	101	26	177
79	1,551,069	957,103	143,795	1,694,864	2,877,415	418,671	4,990,950	98	140	40	278
80	1,202,525	695,791	74,500	1,277,025	2,282,155	318,761	3,877,941	49	121	31	201
81	1,221,246	689,264	69,343	1,290,589	1,966,898	254,768	3,512,255	59	138	57	254
82	1,210,710	740,899	87,094	1,297,804	2,680,695	233,969	4,212,468	76	135	49	260
83	1,402,201	1,021,688	94,547	1,496,748	2,068,462	298,588	3,863,798	54	145	28	227
84	2,620,192	1,470,671	117,132	2,737,324	5,173,042	680,741	8,591,107	126	326	73	525
85	1,549,344	860,886	92,000	1,641,344	1,666,676	332,425	3,640,445	47	113	44	204
86	3,372,732	1,585,968	191,769	3,564,501	9,958,873	1,218,801	14,742,175	163	518	65	746
87	903,180	561,603	81,977	985,157	1,432,636	233,285	2,651,078	43	82	49	174
88	1,094,716	473,719	79,955	1,174,671	2,014,719	383,867	3,573,258	43	97	65	205
89	2,525,724	1,163,457	154,234	2,679,958	3,283,426	675,591	6,638,975	78	193	50	321
90	1,825,894	791,928	140,975	1,966,869	1,968,322	360,899	4,296,090	55	107	32	194
91	2,596,693	1,565,895	318,647	2,917,340	5,341,686	1,005,727	9,264,753	121	240	127	488
92	1,253,071	876,816	94,333	1,347,404	2,439,369	507,966	4,294,739	51	129	53	233

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ACADEMIC LIBRARY STATISTICS

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
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	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (Net)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
93 +CLM	1,755,180	53,133	46,222	871,765	14,806	3,887	6,882	10,769	2,148	2,962	5,110
94 +LM	1,804,932	54,530	49,371	803,505	13,407	4,717	23,821	28,538	687	1,606	2,293
95 +CLM	1,284,517	86,575	82,658	1,109,040	N/A	3,727	4,216	7,943	2,043	2,363	4,406
96 CLM	3,475,184	129,271	123,284	1,720,218	52,876	40,251	69,801	110,052	12,400	12,152	24,552
97 +*CLM	7,246,195	189,195	173,850	1,190,170	57,740	8,543	3,791	12,334	4,389	2,885	7,274
98 L	1,239,118	48,988	47,786	875,288	12,758	3,772	3,351	7,123	2,676	1,277	3,953
99 +	4,650,289	196,342	177,605	1,753,173	16,614	15,863	126,391	142,254	260	0	260
100	3,301,014	40,084	40,084	801,039	14,000	21,929	0	21,929	0	0	0
101 +	1,211,758	18,498	18,477	422,147	10,637	28,117	25,918	54,035	170	0	170
102 +	18,949,850	319,901	311,217	3,688,970	76,583	202,534	14,647	217,181	1,279	N/A	N/A
103 +	479,818	20,724	20,679	616,719	15,921	23,794	44,680	68,474	1	53	54
104 +	1,668,245	36,300	35,300	272,650	24,000	2,300	23,269	25,569	N/A	N/A	18,458
105 +*	1,012,148	57,406	57,406	835,245	16,636	35,691	11,522	47,213	1,022	303	1,325
106 +	1,510,376	32,711	21,452	88,900	19,201	17,487	169,759	187,246	36	9	45
107 +*	1,326,191	10,531	10,518	221,921	1,023	2	584	586	134	18	152
108 +	4,950,955	88,286	84,297	1,468,398	161,011	957	5,957	6,914	894	109	1,003
109 +	1,712,660	40,242	40,073	1,742,416	29,000	22,178	N/A	N/A	391	268	659
110 +	851,079	25,088	24,676	N/A	16,109	3,826	18,395	22,221	9,463	26,657	36,120

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ACADEMIC LIBRARY STATISTICS

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	12	12.5	13	14	15	16	17	18	19	20	21
93	1,384,692	850,000	100,837	1,485,529	2,029,697	662,120	4,177,346	48	135	41	224
94	1,295,844	598,958	80,000	1,375,844	2,703,261	495,052	4,574,157	66	117	55	238
95	1,919,188	1,067,314	103,464	2,022,652	3,824,307	91,295	5,938,254	63	238	39	340
96	2,607,551	1,485,372	227,173	2,834,724	5,120,118	730,717	8,685,559	121	236	123	480
97	3,099,221	1,163,418	264,646	3,363,867	6,701,980	1,298,481	11,364,328	180	384	44	608
98	1,236,444	700,008	132,960	1,369,404	2,821,136	582,272	4,772,812	49	156	35	240
99	2,176,636	433,350	N/A	2,176,636	6,420,500	1,694,253	10,290,889	190	389	75	654
100	676,304	142,300	0	676,304	508,312	567,336	1,751,952	15	34	12	61
101	299,775	280,003	48,182	347,957	948,612	659,319	1,955,888	30	52	8	90
102	4,581,838	1,457,401	918,653	5,500,491	91,265,000	79,675,209	176,440,700	3,708	1,234	0	4,942
103	604,630	496,174	51,741	656,371	459,799	33,153	1,149,323	17	18	20	55
104	887,000	600,000	133,000	1,020,000	4,283,000	2,532,000	7,835,000	95	105	0	200
105	683,500	195,875	40,000	723,500	8,045,384	4,004,317	12,773,201	185	298	0	483
106	1,513,000	998,000	153,000	1,666,000	4,520,000	2,717,000	8,903,000	128	115	39	282
107	281,371	95,373	7,748	289,119	1,376,749	882,665	2,548,534	49	68	0	117
108	3,034,000	N/A	418,000	3,452,000	14,100,000	6,256,000	23,808,000	185	628	123	936
109	876,870	659,123	110,676	987,546	2,420,852	582,803	3,991,201	69	176	0	245
110	480,900	223,500	79,300	560,200	1,629,800	208,800	2,398,800	44	62	0	106

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ACADEMIC LIBRARY STATISTICS

LIBRARY CODE NO.	COLLECTIONS					INTERLIBRARY LOANS					
						LOANED			BORROWED		
	VOLUMES IN LIBRARY	VOLUMES ADDED (Gross)	VOLUMES ADDED (Net)	TOTAL MICROFORM UNITS IN LIBRARY	CURRENT SERIALS	ORIGINALS	PHOTOCOPIES	TOTAL	ORIGINALS	PHOTOCOPIES	TOTAL
	1	2	3	4	5	6	7	8	9	10	11
UNIVERSITY MEDIAN											
	1,741,760	74,277	67,749	1,179,152	18,909	N/A	N/A	11,241	N/A	N/A	4,768
UNIVERSITY HIGH											
	9,913,992	253,578	214,248	2,665,263	99,873	40,251	86,400	117,485	12,400	12,532	24,552
UNIVERSITY LOW											
	901,953	21,276	20,368	318,222	8,132	165	1,212	1,959	607	210	1,056
TOTALS - UNIVERSITY LIBRARIES											
	218,265,862	8,199,981	7,260,900	121,514,115	2,475,038	624,247	1,090,853	1,729,498	260,468	254,486	538,761
TOTALS - NONUNIVERSITY LIBRARIES											
	41,624,383	886,113	841,784	11,911,578	400,735	374,678	441,122	793,622	13,650	27,417	58,246
GRAND TOTALS - ALL ARL LIBRARIES											
	259,890,245	9,086,094	8,102,684	133,425,693	2,875,773	998,925	1,531,975	2,523,120	274,118	281,903	597,007

ASSOCIATION OF RESEARCH LIBRARIES

ACADEMIC LIBRARY STATISTICS

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	12	12.5	13	14	15	16	17	18	19	20	21
UNIVERSITY MEDIAN											
	1,550,206	825,121	101,719	1,679,488	2,566,067	418,006	4,605,041	62	135	53	252
UNIVERSITY HIGH											
	4,262,774	2,195,122	482,059	4,744,833	9,958,873	2,178,456	16,623,983	263	528	212	913
UNIVERSITY LOW											
	631,031	353,909	29,026	680,259	1,015,638	91,295	1,950,607	26	49	9	90
TOTALS - UNIVERSITY LIBRARIES											
	169,822,532	84,073,715	12,302,975	182,125,507	312,462,051	51,127,565	545,715,124	7,436	15,786	5,996	29,217
TOTALS - NONUNIVERSITY LIBRARIES											
	16,095,824	5,581,099	1,960,300	18,056,124	135,978,008	99,812,855	253,846,488	4,715	3,179	277	8,171
GRAND TOTALS - ALL ARL LIBRARIES											
	185,918,356	89,654,814	14,263,275	200,181,631	448,440,059	150,940,420	799,561,612	12,151	18,965	6,273	37,388

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL statistical charts. The high, median, and low figures indicate the range as well as the midpoint for ARL's 98 university library members.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	42	25	16
2. Nonprofessional Staff as percent of Total Staff	73	52	27
3. Student Assistant Staff as percent of Total Staff	49	21	7
4. Ratio of Professional to Non-professional Staff (excluding student assistants)	1:1	0.5:1	0.23:1
5. Ratio of Items Loaned to Items Borrowed	21:1	2.4:1	.3:1
6. Materials Expenditures as percent of Total Operating Expenditures	57	31	21
7. Serials Expenditures as percent of Materials Expenditures	80	54	27
8. Salary and Wage Expenditures as percent of Total Operating Expenditures	72	56	34
9. Ratio of Salary and Wage Expenditures to Materials Expenditures	3.4:1	1.9:1	0.6:1

Median figures are useful indicators when there is a wide dispersion in a distribution. Because of the characteristic of the mean as a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. As the measure of central tendency which focuses on the midpoint in a distribution, medians are preferable for describing ARL libraries.

PH.D. AND ENROLLMENT STATISTICS *

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	ENROLLMENTS - FALL 1978			
			Total Full-time**	Total FTE Part-time**	Full-time Graduate	Part-time Graduate FTE
Alabama	76	37	14,230	12,424	1,637	1,704
Alberta +	160	43	18,741	2,343	1,984	745
Arizona	205	65	21,618	2,975	2,796	1,465
Arizona State	102	25	23,658	13,464	2,774	7,550
Boston	263	72	16,693	2,883	4,420	1,197
Brigham Young	109	17	22,700	2,834	1,682	426
British Columbia +	142	141	19,321	2,058	2,067	332
Brown	N/A	N/A	5,578	52	966	41
Calif., Berkeley	683	91	26,373	2,742	8,326	716
Calif., Davis	150	49	17,511	66	4,871	30
Calif., Los Angeles	437	59	30,644	N/A	7,861	N/A
Calif., Riverside	107	26	4,287	242	1,245	30
Calif., San Diego	120	30	10,333	461	1,196	65
Calif., Santa Barbara	170	28	13,766	0	1,718	0
Case Western Reserve	151	39	5,961	656	1,730	504
Chicago	284	80	7,937	1,436	4,148	1,348
Cincinnati	125	33	23,606	4,675	2,587	450
Colorado	202	43	16,091	1,348	2,645	1,234
Colorado State	138	33	16,291	1,932	1,853	N/A
Columbia +	578	57	13,376	1,330	6,623	510
Connecticut	189	130	16,211	2,057	1,961	863
Cornell	411	124	16,448	0	3,740	0
Dartmouth	20	9	3,487	54	149	13
Duke	165	32	9,362	166	1,935	77
Emory	97	17	6,884	278	790	137
Florida	286	49	26,562	2,048	1,299	495
Florida State	333	50	16,897	4,482	2,356	1,381
Georgetown	66	26	9,520	941	1,114	377
Georgia	181	43	18,504	2,026	1,871	896
Guelph	37	53	9,261	306	614	45
Harvard	365	41	14,849	1,967	6,168	157
Hawaii	129	32	15,648	2,209	1,956	1,757
Houston	88	24	19,476	9,631	2,058	3,872
Howard	63	23	8,987	455	2,669	308
Illinois	933	75	30,315	3,369	5,031	2,274
Indiana	319	70	41,824	11,808	4,900	2,906
Iowa	288	54	18,001	2,176	2,998	1,178
Iowa State	227	75	20,191	1,500	1,856	839

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

PH.D. AND ENROLLMENT STATISTICS *

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	ENROLLMENTS - FALL 1978			
			Total Full-time**	Total FTE Part-time**	Full-time Graduate	Part-time Graduate FTE
Johns Hopkins	171	43	2,215	537	2,440	1,127
Joint University	180	46	8,516	377	1,452	288
Kansas	203	55	17,665	2,115	2,189	1,113
Kent State	98	25	12,860	1,620	1,622	449
Kentucky	107	44	17,562	1,391	1,605	563
Louisiana State	130	49	19,837	2,005	2,779	861
McGill	152	60	14,317	3,330	2,484	772
McMaster	49	25	9,665	610	1,135	176
Maryland	346	66	27,227	4,093	2,563	1,968
Massachusetts	316	45	21,009	1,666	2,165	815
MIT	329	29	8,459	422	3,984	302
Miami	78	43	10,865	1,167	965	282
Michigan	600	96	30,393	2,237	6,942	1,365
Michigan State	463	139	36,125	4,396	3,677	2,222
Minnesota	466	87	37,809	8,968	7,643	848
Missouri	281	58	19,723	1,361	2,184	659
Nebraska	173	42	17,585	2,050	1,533	667
New Mexico	76	31	12,787	5,252	1,362	2,199
New York	439	91	16,411	7,647	4,258	6,118
North Carolina +	294	58	17,462	1,390	2,625	648
Northwestern	291	63	11,623	1,164	4,695	485
Notre Dame	76	23	8,378	165	1,008	94
Ohio State	577	82	44,044	2,088	5,716	1,015
Oklahoma	138	52	17,470	2,172	2,812	985
Oklahoma State	121	35	19,284	1,037	1,268	443
Oregon	177	34	13,647	995	2,354	187
Pennsylvania	309	83	16,920	1,557	5,492	548
Pennsylvania State	335	91	48,205	4,786	3,650	688
Pittsburgh	338	92	20,821	5,351	3,434	2,092
Princeton	242	51	5,898	0	1,423	0
Purdue	376	53	26,899	1,088	3,305	554
Queen's	60	27	10,237	1,055	1,050	240
Rice	95	25	3,686	38	902	38
Rochester	161	40	6,238	545	1,597	136
Rutgers	247	49	32,570	5,812	2,841	2,592
South Carolina	155	42	15,659	2,807	1,749	1,679
Southern California	450	53	17,246	4,006	4,607	2,882
Southern Illinois	172	20	18,811	1,853	908	1,220

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

PH.D. AND ENROLLMENT STATISTICS *

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	ENROLLMENTS - FALL 1978			
			Total Full-time**	Total FTE Part-time**	Full-time Graduate	Part-time Graduate FTE
Stanford	510	72	11,072	434	4,513	434
SUNY- Albany	42	21	11,234	1,502	1,773	1,042
SUNY - Buffalo	237	49	17,972	2,864	4,593	1,438
SUNY - Stony Brook	163	25	12,017	N/A	1,848	N/A
Syracuse	213	75	13,777	1,975	2,847	1,225
Temple	151	45	18,686	5,042	1,634	1,281
Tennessee	179	40	22,394	2,838	2,839	965
Texas	453	71	37,635	2,628	4,337	632
Texas A & M	273	64	27,061	1,202	2,816	439
Toronto	327	65	32,601	4,370	5,282	1,286
Tulane	59	29	7,659	658	1,357	342
Utah	168	60	15,599	2,462	1,801	1,053
Virginia	180	42	14,749	401	2,701	225
Virginia Polytechnic	146	48	18,467	545	1,893	282
Washington	342	64	28,562	3,894	5,499	843
Washington State	155	36	13,798	194	1,618	193
Wash. Univ., St. Louis	98	41	7,117	430	1,495	272
Wayne State	155	43	20,483	5,123	2,865	1,418
Western Ontario	76	28	14,645	2,383	1,645	223
Wisconsin	680	125	32,544	N/A	7,010	N/A
Yale	309	47	9,540	196	4,282	98
York +	51	31	15,084	N/A	3,816	N/A

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

ANALYSIS OF MICROFORM HOLDINGS

INSTITUTION	REELS OF MICROFILM	NUMBER OF MICROCARDS	NUMBER OF MICRO-PRINT SHEETS	NUMBER OF MICROFICHES
Alabama	N/A	N/A	N/A	N/A
Alberta	73,519	154,518	525,287	583,155
Arizona +	63,437	155,822	N/A	972,747
Arizona State	58,919	116,397	183,410	657,591
Boston	37,672	27,382	616,416	384,388
Brigham Young	40,619	51,506	171,603	452,794
British Columbia	65,355	111,976	1,010,750	969,721
Brown	22,458	41,851	383,099	132,698
Calif., Berkeley	170,031	166,732	128,186	975,062
Calif., Davis	57,366	206,668	320,577	763,666
Calif., Los Angeles +	113,708	N/A	N/A	1,677,029
Calif., Riverside +	33,304	N/A	N/A	696,904
Calif., San Diego	16,507	89,875	0	565,488
Calif., Santa Barbara	34,405	92,952	166,870	1,118,447
Case Western Reserve	18,933	75,213	7,020	268,512
Chicago +	72,215	15,894	74,471	529,960
Cincinnati	47,946	51,981	135,217	722,402
Colorado	38,683	125,642	208,314	1,550,467
Colorado State	21,128	14,756	2,749	449,480
Columbia	120,763	131,961	541,990	1,186,809
Connecticut	52,315	146,880	427,025	548,214
Cornell	87,137	139,793	843,584	906,509
Dartmouth	46,482	53,199	512,497	154,907
Duke +	40,440	N/A	N/A	277,782
Emory +	26,705	N/A	N/A	811,468
Florida	110,071	210,847	196,337	679,878
Florida State	113,288	247,455	451,918	980,556
Georgetown	20,253	47,044	267,477	265,062
Georgia	103,586	250,734	461,686	892,998
Guelph	36,734	4,291	0	627,987
Harvard	147,873	86,914	690,663	1,011,865
Hawaii	71,494	127,667	235,927	668,562
Houston	92,830	64,242	170,912	1,693,745
Howard	34,729	54,793	0	713,026
Illinois	147,260	84,653	243,553	902,504
Indiana	N/A	N/A	N/A	N/A
Iowa	86,210	101,502	176,237	1,019,880
Iowa State	26,487	6,396	188,742	760,904
Johns Hopkins +	38,117	562,403	N/A	481,800
Joint University +	22,431	N/A	389,583	556,128
Kansas	42,381	68,544	224,377	552,496
Kent State +	48,811	N/A	N/A	794,963
Kentucky	87,444	272,548	381,504	1,121,588
Louisiana State +	60,112	202,763	41,430	636,017

N/A - Not available
+ - See footnotes

ANALYSIS OF MICROFORM HOLDINGS

INSTITUTION	REELS OF MICROFILM	NUMBER OF MICROCARDS	NUMBER OF MICRO-PRINT SHEETS	NUMBER OF MICROFICHES
McGill +	28,480	162,651	N/A	211,256
McMaster	40,160	63,169	190,751	547,508
Maryland +	66,671	N/A	N/A	1,179,993
Massachusetts	79,676	4,542	5,986	639,359
MIT	12,750	137,670	0	702,537
Miami +	23,515	N/A	N/A	1,017,786
Michigan +	111,554	N/A	N/A	1,510,355
Michigan State +	105,826	690,224	278,117	N/A
Minnesota	81,049	113,863	179,136	751,963
Missouri	N/A	N/A	N/A	N/A
Nebraska	36,932	33,826	502,145	370,805
New Mexico +	61,000	N/A	N/A	1,200,000
New York	69,480	80,092	343,180	873,947
North Carolina	87,985	71,061	568,555	601,956
Northwestern	40,747	110,576	65,850	608,809
Notre Dame	25,657	222,307	0	422,778
Ohio State	311,563	63,413	416,051	739,569
Oklahoma	31,297	112,116	121,939	822,607
Oklahoma State	25,467	66,047	248,573	491,508
Oregon	39,291	96,278	272,109	234,726
Pennsylvania	64,440	100,932	687,560	519,513
Pennsylvania State +	164,580	1,647,739	296,517	N/A
Pittsburgh	59,479	99,372	479,780	490,294
Princeton	75,071	186,029	367,400	581,689
Purdue	28,289	147,248	0	780,062
Queen's +	42,582	357,980	0	258,257
Rice	30,407	133,993	503,334	447,517
Rochester	30,575	171,291	645,625	679,401
Rutgers	89,421	107,436	478,675	658,898
South Carolina	66,970	168,872	504,910	839,688
Southern California	31,014	166,201	590,035	385,510
Southern Illinois	95,492	143,794	1,172,434	417,770
Stanford +	115,581	N/A	N/A	1,866,167
SUNY- Albany	208,017	28,612	465,467	845,063
SUNY - Buffalo	42,869	181,269	788,294	544,044
SUNY - Stony Brook	46,346	137,289	686,293	631,697
Syracuse	37,195	239,110	722,673	716,911
Temple	47,215	237,469	128,174	360,309
Tennessee +	53,563	N/A	N/A	1,187,443
Texas	92,753	134,709	573,332	1,189,303
Texas A & M	34,897	96,000	215,891	837,083
Toronto	56,286	56,627	851,253	229,523
Tulane +	35,704	N/A	N/A	772,968
Utah	N/A	N/A	N/A	N/A

N/A - Not available
+ - See footnotes

ANALYSIS OF MICROFORM HOLDINGS

INSTITUTION	REELS OF MICROFILM	NUMBER OF MICROCARDS	NUMBER OF MICRO-PRINT SHEETS	NUMBER OF MICROFICHES
Virginia	83,163	178,864	296,210	1,648,004
Virginia Polytechnic +	56,907	566,832	N/A	2,022,155
Washington +	87,112	484,732	N/A	2,093,419
Washington State	64,608	189,784	551,547	759,264
Wash. Univ., St. Louis	28,525	26,272	177,767	639,201
Wayne State	37,923	55,346	122,554	587,682
Western Ontario	49,898	52,992	624,397	381,753
Wisconsin	45,902	134,119	92,838	1,447,359
Yale	93,886	314,619	410,015	371,650
York +	34,381	N/A	N/A	840,907
*Boston Public Library	93,152	11,861	1,123,200	492,932
*Center for Res. Libs. +	241,606	N/A	249,666	309,767
*John Crerar Library	5,941	80,000	0	336,206
*Library of Congress +	1,099,193	68,076	375,901	740,400
*Linda Hall Library	10,791	84,613	0	521,315
*National Agric. Lib.	11,500	650	55,000	205,500
*National Lib. of Canada	63,526	13,694	435,859	322,166
*National Lib. of Med. +	26,732	0	0	62,168
*Newberry Library	N/A	N/A	N/A	N/A
*New York Public Lib. +	199,520	965,272	N/A	303,606
*New York State Library	77,785	160,000	571,545	933,086
*Smithsonian Institution	N/A	N/A	N/A	N/A

*Nonuniversity library
N/A - Not available
+ - See footnotes

RANK ORDER TABLES

FOR ALL ARL UNIVERSITY LIBRARIES

1978-79

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the fourteen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions which are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library
Table 2 - Volumes Added (Gross)
Table 3 - Microform Holdings
Table 4 - Current Serials
Table 5 - Professional Staff (FTE)
Table 6 - Nonprofessional Staff (FTE)
Table 7 - Total Staff (FTE)
Table 8 - Materials Expenditures
Table 9 - Materials & Binding Expenditures
Table 10 - Salaries & Wages Expenditures
Table 11 - Total Operating Expenditures
Table 12 - Total Items Loaned
Table 13 - Total Items Borrowed
Table 14 - Current Serials Expenditures

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Alabama	85	76	70	88	87	96	92	91	92	95	94	91	84	80
Alberta	36	27	38	75	30	11	20	16	15	18	18	69	48	36
Arizona	29	23	47	52	55	47	46	21	20	55	38	58	83	38
Arizona State	66	36	62	62	83	65	58	46	45	77	62	77	37	77
Boston	80	92	60	36	44	51	47	76	77	65	74	81	63	64
Brigham Young	68	65	86	59	57	94	57	98	98	98	98	88	64	96
British Columbia	34	33	4	38	21	7	15	11	12	6	8	21	21	97
Brown	57	91	94	73	82	78	80	89	82	86	87	94	98	86
Calif., Berkeley	4	8	30	1	8	15	6	6	7	3	3	16	5	11
Calif., Davis	60	49	36	15	47	32	38	22	22	26	26	13	59	15
Calif., Los Angeles	13	12	17	7	5	12	8	7	6	4	4	5	22	12
Calif., Riverside	95	95	84	55	95	81	90	90	84	68	78	95	28	94
Calif., San Diego	74	60	88	30	67	40	52	35	36	33	32	36	50	54
Calif., Santa Barbara	76	77	31	54	58	44	41	45	44	34	39	97	13	50
Case Western Reserve	70	96	97	83	51	84	82	93	93	83	88	7	55	62
Chicago	12	7	87	14	39	35	34	38	34	30	28	22	36	22
Cincinnati	86	87	65	65	46	33	36	70	72	39	53	41	11	84
Colorado	43	62	13	90	88	75	84	84	83	63	79	53	16	82
Colorado State	89	71	95	61	84	92	95	95	95	89	91	56	52	87
Columbia	7	17	10	6	9	13	11	24	23	11	12	38	61	13
Connecticut	51	52	50	49	52	79	63	37	41	52	52	30	14	56
Cornell	11	16	11	10	14	10	13	19	18	19	16	23	41	98
Dartmouth	69	68	83	60	96	76	91	82	89	92	90	68	79	74

N/A = Not available

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Duke	19	38	98	19	27	31	28	34	32	37	35	18	80	34
Emory	58	58	76	72	63	85	86	52	53	87	80	44	66	63
Florida	33	10	45	37	31	52	37	2	2	38	20	34	18	23
Florida State	72	48	16	80	64	83	81	9	9	84	41	65	90	52
Georgetown	87	54	93	64	68	87	68	77	76	62	68	84	86	83
Georgia	40	34	20	21	49	34	42	26	27	57	44	25	26	20
Guelph	92	44	90	97	92	60	88	86	87	64	84	98	89	85
Harvard	1	2	12	2	1	1	1	1	1	2	1	9	38	1
Hawaii	52	55	56	26	50	82	60	63	62	48	47	83	92	76
Houston	54	42	7	58	40	28	31	33	33	51	43	75	62	35
Howard	93	85	81	94	34	68	65	65	68	40	49	89	97	93
Illinois	3	9	33	3	11	3	4	10	10	14	11	4	27	10
Indiana	6	3	23	13	2	9	3	3	3	7	7	6	2	2
Iowa	28	29	32	25	33	66	50	25	25	42	40	26	25	16
Iowa State	79	59	63	51	78	62	71	56	56	67	63	40	74	40
Johns Hopkins	27	90	58	76	59	48	64	69	69	58	55	59	7	48
Joint University	61	78	64	69	65	77	69	74	73	85	71	73	58	59
Kansas	32	31	69	27	38	55	43	36	37	49	46	19	4	51
Kent State	77	47	74	95	98	95	97	96	96	93	95	46	71	95
Kentucky	48	66	14	32	41	56	48	54	55	59	54	43	33	39
Louisiana State	45	67	68	56	72	86	78	51	52	81	66	76	35	55
McGill	46	53	73	50	45	41	53	87	86	56	65	33	73	69
McMaster	73	63	42	66	28	29	25	43	39	29	33	63	95	37
Maryland	53	51	85	78	53	64	62	88	90	61	76	71	44	70
Massachusetts	38	46	96	67	25	16	22	39	38	10	19	10	24	27
MIT	96	94	75	91	93	37	66	31	35	54	50	85	40	71
Miami	78	79	61	82	73	70	72	75	75	80	81	64	54	75
Michigan	5	15	21	9	6	6	7	17	16	9	9	28	49	9
Michigan State	23	22	59	34	35	54	35	42	42	35	37	20	53	33
Minnesota	15	30	53	12	12	27	17	27	26	12	17	1	3	14
Missouri	35	64	6	46	60	67	67	58	59	78	73	31	60	28
Nebraska	62	57	67	43	61	71	75	57	57	79	70	51	67	45
New Mexico	94	56	41	85	89	74	70	78	78	72	85	90	77	89
New York	22	20	35	35	37	25	30	41	40	28	31	55	82	47
North Carolina	24	14	40	18	18	24	23	20	21	25	24	27	46	58
Northwestern	21	39	78	23	22	39	26	44	43	23	21	61	70	32
Notre Dame	67	93	89	74	91	89	94	85	85	94	93	96	94	79

N/A = Not available

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ohio State	17	21	27	22	19	22	16	40	48	21	22	8	17	30
Oklahoma	50	86	57	70	79	88	83	81	81	90	89	15	8	73
Oklahoma State	84	97	77	93	94	98	96	97	97	96	97	79	72	91
Oregon	64	82	92	40	74	91	89	61	61	70	72	62	47	72
Pennsylvania	20	41	34	29	26	38	32	55	47	27	30	42	23	49
Pennsylvania State	31	40	5	39	20	14	19	30	30	20	23	32	31	25
Pittsburgh	25	25	52	48	7	57	24	48	50	31	36	17	6	42
Princeton	18	37	44	20	24	20	21	23	24	22	25	70	85	19
Purdue	65	89	66	53	90	26	45	62	63	50	58	50	42	44
Queen's	75	88	91	79	75	30	51	79	79	46	61	87	32	88
Rice	98	98	54	96	97	97	98	94	94	97	96	92	96	92
Rochester	55	73	28	89	69	93	93	66	66	75	77	37	29	57
Rutgers	30	28	39	33	17	21	18	12	13	17	15	11	56	7
South Carolina	97	84	26	77	71	73	85	83	88	82	86	72	9	61
Southern California	41	35	25	47	23	45	39	49	49	41	45	39	20	29
Southern Illinois	90	75	29	86	76	58	76	73	74	60	64	57	51	66
Stanford	49	24	22	63	56	72	77	53	54	76	69	49	76	67
SUNY Albany	37	26	51	28	29	42	33	29	29	36	34	82	88	31
SUNY Buffalo	56	61	15	45	42	59	40	47	46	43	42	12	12	24
SUNY Stony Brook	8	11	9	17	10	8	10	4	4	8	5	24	68	6
Syracuse	42	50	19	42	54	46	49	71	71	74	83	93	81	68
Temple	59	69	82	81	36	49	44	72	70	47	59	66	78	60
Tennessee	63	70	43	31	66	43	59	59	58	66	67	45	69	26
Texas	9	1	8	4	13	5	9	13	17	15	14	35	10	8
Texas A & M	82	43	49	68	81	63	74	50	51	88	75	29	19	43
Toronto	10	4	46	16	4	2	2	5	5	1	2	48	34	3
Tulane	71	83	79	92	85	90	87	92	91	91	92	54	30	81
Utah	39	18	37	57	86	80	73	80	80	71	82	78	39	90
Virginia	26	19	3	44	32	23	29	18	19	32	27	60	91	17
Virginia Polytechnic	91	45	2	41	62	69	79	32	31	73	56	80	75	53
Washington	14	6	1	11	15	17	12	15	11	13	10	3	43	4
Washington State	88	81	24	24	70	53	56	67	67	53	57	86	87	41
Washington, St. Louis	47	74	72	71	80	50	61	60	60	69	60	52	45	46
Wayne State	44	72	80	84	43	61	55	64	64	45	51	14	93	78
Western Ontario	81	32	55	98	48	18	27	28	28	24	29	67	57	21
Wisconsin	16	13	18	8	16	19	14	14	14	16	13	2	1	5
Yale	2	5	48	5	3	4	5	8	8	5	6	47	15	18
York	83	80	71	87	77	36	54	68	65	44	48	74	65	65

N/A = Not available

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1-	9,000 and over	6-	4,000-4,999
2-	8,000-8,999	7-	3,000-3,999
3-	7,000-7,999	8-	2,000-2,999
4-	6,000-6,999	9-	1,000-1,999
5-	5,000-5,999	10-	under 1,000

Gp	Rank	Institution	Value
1	1	Harvard	9,913,992
3	2	Yale	7,246,195
5	3	Illinois	5,759,666
	4	Calif., Berkeley	5,597,154
	5	Michigan	5,135,952
	6	Indiana	5,029,534
6	7	Columbia	4,924,469
	8	Stanford	4,577,827
	9	Texas	4,406,193
	10	Toronto	4,320,444
	11	Cornell	4,207,146
	12	Chicago	4,182,938
	13	Calif., Los Angeles	4,109,146
7	14	Washington	3,788,788
	15	Minnesota	3,702,599
	16	Wisconsin	3,475,184
	17	Ohio State	3,446,729
	18	Princeton	3,172,238
	19	Duke	3,022,839
8	20	Pennsylvania	2,889,788
	21	Northwestern	2,714,938
	22	New York	2,700,201
	23	Michigan State	2,523,553
	24	North Carolina	2,487,122
	25	Pittsburgh	2,375,542
	26	Virginia	2,351,842
	27	Johns Hopkins	2,287,058
	28	Iowa	2,216,970
	29	Arizona	2,184,023
	30	Rutgers	2,166,200
	31	Pennsylvania State	2,092,139
	32	Kansas	2,079,434
	33	Florida	2,079,344
	34	British Columbia	2,018,865
9	35	Missouri	1,984,632
	36	Alberta	1,980,523
	37	Southern California	1,957,853
	38	McGill	1,938,334
	39	Utah	1,921,278
	40	Georgia	1,893,897
	41	SUNY-Buffalo	1,884,943
	42	Syracuse	1,822,027
	43	Colorado	1,811,881
	44	Wayne State	1,804,932
	45	Louisiana State	1,760,696
	46	MIT	1,759,971
	47	Washington, St. Louis	1,755,180
	48	Kentucky	1,753,044
	49	South Carolina	1,752,407
	50	Oklahoma	1,731,113
	51	Connecticut	1,710,546
	52	Hawaii	1,663,639
	53	Massachusetts	1,654,927
	54	Houston	1,650,049
	55	Rochester	1,647,000
	56	Southern Illinois	1,643,598
	57	Brown	1,636,206
	58	Emory	1,588,158
	59	Temple	1,544,274
	60	Calif., Davis	1,525,544
	61	Joint Univ. Libs.	1,449,616
	62	Nebraska	1,441,515
	63	Tennessee	1,436,193
	64	Oregon	1,424,882
	65	Purdue	1,388,152
	66	Arizona State	1,384,266
	67	Notre Dame	1,383,114
	68	Brigham Young	1,367,073
	69	Dartmouth	1,347,738
	70	Case Western Reserve	1,346,464
	71	Tulane	1,342,878
	72	Florida State	1,338,701
	73	Maryland	1,335,018
	74	Calif., San Diego	1,332,525
	75	Queen's	1,328,012
	76	Calif., Santa Barbara	1,325,063
	77	Kent State	1,317,916
	78	Miami	1,301,100
	79	Iowa State	1,296,074
	80	Boston	1,287,618
	81	Western Ontario	1,284,517
	82	Texas A & M	1,240,829
	83	York	1,239,118
	84	Oklahoma State	1,230,802
	85	Alabama	1,219,094
	86	Cincinnati	1,217,245
	87	Georgetown	1,192,353
	88	Washington State	1,189,899
	89	Colorado State	1,182,029
	90	SUNY-Stony Brook	1,176,920
	91	Virginia Polytechnic	1,141,267
	92	Guelph	1,082,918
	93	Howard	1,058,514
10	94	New Mexico	962,804
	95	Calif., Riverside	947,698
	96	McMaster	940,261
	97	SUNY-Albany	921,019
	98	Rice	901,953

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 240,000 and over
2- 210,000-239,999
3- 180,000-209,999
4- 150,000-179,999
5- 120,000-149,999
6- 90,000-119,999
7- 60,000- 89,999
8- 30,000- 59,999
9- under 30,000

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	Texas	253,578		48	Florida State	74,967
	2	Harvard	241,400		49	Calif., Davis	74,421
					50	Syracuse	74,134
2	3	Indiana	235,210		51	Massachusetts	71,957
	4	Toronto	219,903		52	Connecticut	71,794
					53	MIT	71,388
3	5	Yale	189,195		54	Georgetown	68,377
	6	Washington	183,966		55	Hawaii	65,811
					56	New Mexico	60,433
4	7	Chicago	175,566		57	Nebraska	60,379
	8	Calif., Berkeley	169,857				
	9	Illinois	161,279	8	58	Emory	59,787
					59	Iowa State	59,446
5	10	Florida	139,413		60	Calif., San Diego	58,903
	11	Stanford	134,807		61	Southern Illinois	58,869
	12	Calif., Los Angeles	129,752		62	Colorado	58,511
	13	Wisconsin	129,271		63	Maryland	57,712
	14	North Carolina	120,668		64	Missouri	57,015
					65	Brigham Young	56,362
6	15	Michigan	119,465		66	Kentucky	56,333
	16	Cornell	118,031		67	Louisiana State	56,045
	17	Columbia	116,343		68	Dartmouth	55,087
	18	Utah	114,552		69	Temple	54,830
	19	Virginia	112,121		70	Tennessee	54,802
	20	New York	104,658		71	Colorado State	54,758
	21	Ohio State	103,210		72	Wayne State	54,530
	22	Michigan State	101,898		73	Rochester	54,100
	23	Arizona	98,539		74	Washington, St. Louis	53,133
	24	South Carolina	97,566		75	SUNY-Stony Brook	52,892
	25	Pittsburgh	97,204		76	Alabama	51,962
	26	Southern California	96,881		77	Calif., Santa Barbara	51,922
	27	Alberta	91,639		78	Joint University Libs.	50,148
	28	Rutgers	90,402		79	Miami	49,406
					80	York	48,988
7	29	Iowa	89,522		81	Washington State	48,477
	30	Minnesota	87,705		82	Oregon	48,253
	31	Kansas	87,612		83	Tulane	47,810
	32	Western Ontario	86,575		84	SUNY-Albany	46,652
	33	British Columbia	83,838		85	Howard	46,021
	34	Georgia	83,728		86	Oklahoma	45,390
	35	SUNY-Buffalo	83,061		87	Cincinnati	45,286
	36	Arizona State	82,798		88	Queen's	44,852
	37	Princeton	82,632		89	Purdue	44,064
	38	Duke	81,730		90	Johns Hopkins	42,638
	39	Northwestern	81,433		91	Brown	42,632
	40	Pennsylvania State	80,233		92	Boston	42,098
	41	Pennsylvania	80,068		93	Notre Dame	41,180
	42	Houston	79,743		94	McMaster	40,893
	43	Texas A & M	79,300		95	Calif., Riverside	32,748
	44	Guelph	79,098				
	45	Virginia Polytechnic	77,883	9	96	Case Western Reserve	29,016
	46	McGill	77,127		97	Oklahoma State	24,299
	47	Kent State	76,734		98	Rice	21,276

RANK ORDER TABLE 3: MICROFORM HOLDINGS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 1,600,000 and over
2- 1,400,000-1,599,999
3- 1,200,000-1,399,999
4- 1,000,000-1,199,999
5- 800,000-999,999
6- 600,000-799,999
7- 400,000-599,999
8- under 400,000

Gp	Rank	Institution	Value
1	1	Washington	2,665,263
	2	Virginia Polytechnic	2,645,894
	3	Virginia	2,206,241
	4	British Columbia	2,157,802
	5	Pennsylvania State	2,108,836
	6	Missouri	2,040,615
	7	Houston	2,021,729
	8	Texas	1,990,097
	9	Stanford	1,981,748
	10	Columbia	1,981,523
	11	Cornell	1,977,023
	12	Harvard	1,937,315
	13	Colorado	1,923,106
	14	Kentucky	1,863,084
	15	Southern Illinois	1,829,490
	16	Florida State	1,793,217
	17	Calif., Los Angeles	1,790,737
	18	Wisconsin	1,720,218
	19	Syracuse	1,715,889
	20	Georgia	1,709,004
	21	Michigan	1,621,909
2	22	South Carolina	1,580,440
	23	Indiana	1,569,211
	24	Washington State	1,565,203
	25	SUNY-Buffalo	1,556,476
	26	SUNY-Albany	1,547,159
	27	Ohio State	1,530,596
	28	Rochester	1,526,892
	29	SUNY-Stony Brook	1,501,625
	30	Calif., Berkeley	1,440,011
	31	Calif., Santa Barbara	1,412,674
3	32	Iowa	1,383,829
	33	Illinois	1,377,970
	34	Pennsylvania	1,372,445
	35	New York	1,366,699
	36	Calif., Davis	1,348,277
	37	Utah	1,347,371
	38	Alberta	1,336,479
	39	Rutgers	1,334,430
	40	North Carolina	1,329,557
	41	New Mexico	1,261,000
	42	Maryland	1,246,664
	43	Tennessee	1,241,006
	44	Princeton	1,210,189
	45	Florida	1,200,148
4	46	Toronto	1,193,689
	47	Arizona	1,192,006
	48	Yale	1,190,170
	49	Texas A & M	1,183,871
	50	Connecticut	1,174,434
	51	Southern California	1,172,760
	52	Pittsburgh	1,128,925
	53	Minnesota	1,126,011
	54	Rice	1,115,251
	55	Western Ontario	1,109,040
	56	Hawaii	1,103,650
	57	Oklahoma	1,087,959
	58	Johns Hopkins	1,082,320
	59	Michigan State	1,074,167
	60	Boston	1,065,858
	61	Miami	1,041,301
	62	Arizona State	1,016,317
5	63	Iowa State	982,529
	64	Joint University Libs.	968,142
	65	Cincinnati	957,546
	66	Purdue	955,599
	67	Nebraska	943,708
	68	Louisiana State	940,322
	69	Kansas	887,798
	70	Alabama	877,530
	71	York	875,288
	72	Washington, St. Louis	871,765
	73	MIT	852,957
	74	Kent State	843,774
	75	McMaster	841,588
	76	Emory	838,173
	77	Oklahoma State	831,595
	78	Northwestern	825,982
	79	Tulane	808,672
	80	Wayne State	803,505
	81	Howard	802,548
6	82	Temple	773,167
	83	Dartmouth	767,085
	84	Calif., Riverside	730,208
	85	Massachusetts	729,563
	86	Brigham Young	716,522
	87	Chicago	692,540
	88	Calif., San Diego	671,870
	89	Notre Dame	670,742
	90	Guelph	669,012
	91	Queen's	658,819
	92	Oregon	642,404
7	93	Georgetown	599,836
	94	Brown	580,106
	95	Colorado State	488,113
	96	McGill	402,387
8	97	Case Western Reserve	369,678
	98	Duke	318,222

RANK ORDER TABLE 4: CURRENT SERIALS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 90,000 and over	6- 40,000-49,999
2- 80,000-89,999	7- 30,000-39,999
3- 70,000-79,999	8- 20,000-29,999
4- 60,000-69,999	9- 10,000-19,999
5- 50,000-59,999	10- under 10,000

Gp	Rank	Institution	Value
1	1	Calif., Berkeley	99,873
	2	Harvard	95,000
	3	Illinois	91,913
4	4	Texas	60,000
5	5	Yale	57,740
	6	Columbia	57,388
	7	Calif., Los Angeles	56,316
	8	Wisconsin	52,876
	9	Michigan	52,460
	10	Cornell	51,917
6	11	Washington	46,447
	12	Minnesota	44,450
	13	Indiana	44,140
	14	Chicago	44,004
	15	Calif., Davis	41,684
	16	Toronto	41,646
	17	Stanford	41,292
7	18	North Carolina	35,479
	19	Duke	32,140
	20	Princeton	31,361
	21	Georgia	31,039
	22	Ohio State	30,667
8	23	Northwestern	29,087
	24	Washington State	27,816
	25	Iowa	27,794
	26	Hawaii	27,724
	27	Kansas	27,645
	28	Southern California	26,704
	29	Pennsylvania	26,185
	30	Calif., San Diego	25,648
	31	Tennessee	25,367
	32	Kentucky	25,310
	33	Rutgers	24,436
	34	Michigan State	24,406
	35	New York	23,686
	36	Boston	23,453
	37	Florida	23,080
	38	British Columbia	22,982
	39	Pennsylvania State	22,777
	40	Oregon	22,064
	41	Virginia Polytechnic	21,735
	42	Syracuse	21,715
	43	Nebraska	21,707
	44	Virginia	21,459
	45	Southern Illinois	21,308
	46	Missouri	20,187
9	47	SUNY-Buffalo	19,781
	48	Pittsburgh	19,428
	49	Connecticut	18,969
	50	MIT	18,849
	51	Iowa State	18,504
	52	Arizona	18,337
	53	Purdue	18,125
	54	Calif., Santa Barbara	18,075
	55	Calif., Riverside	17,925
	56	Louisiana State	17,908
	57	Utah	17,762
	58	Houston	17,596
	59	Brigham Young	17,411
	60	Dartmouth	17,253
	61	Colorado State	16,794
	62	Arizona State	16,768
	63	South Carolina	16,674
	64	Georgetown	16,343
	65	Cincinnati	16,329
	66	Maryland	16,161
	67	McGill	16,097
	68	Texas A & M	15,964
	69	Joint University Libs.	15,439
	70	Oklahoma	15,016
	71	Washington, St. Louis	14,806
	72	Emory	14,524
	73	Brown	14,511
	74	Notre Dame	14,295
	75	Alberta	14,271
	76	Johns Hopkins	14,270
	77	SUNY-Albany	14,212
	78	Massachusetts	14,180
	79	Queen's	13,629
	80	Florida State	13,543
	81	Temple	13,479
	82	Miami	13,476
	83	Case Western Reserve	13,422
	84	Wayne State	13,407
	85	New Mexico	13,052
	86	SUNY-Stony Brook	12,811
	87	York	12,758
	88	Alabama	12,476
	89	Rochester	11,300
	90	Colorado	10,990
10	91	McMaster	9,830
	92	Tulane	9,550
	93	Oklahoma State	9,518
	94	Howard	9,427
	95	Kent State	8,899
	96	Rice	8,655
	97	Guelph	8,132

Western Ontario figure not available.

RANK ORDER TABLE 5: PROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 225 and over
2- 200-224
3- 175-199
4- 150-174
5- 125-149
6- 100-124
7- 75- 99
8- 50- 74
9- 25- 49

Gp	Rank	Institution	Value
1	1	Harvard	263
3	2	Indiana	180
	3	Yale	180
4	4	Toronto	163
	5	Calif., Los Angeles	156
	6	Michigan	152
5	7	Pittsburgh	148
	8	Calif., Berkeley	141
	9	Columbia	140
	10	Stanford	140
	11	Illinois	138
	12	Minnesota	129
	13	Texas	126
6	14	Cornell	123
	15	Washington	121
	16	Wisconsin	121
	17	Rutgers	116
	18	North Carolina	107
	19	Ohio State	101
	20	Pennsylvania State	101
	21	British Columbia	100
	22	Northwestern	100
7	23	SUNY-Buffalo	98
	24	Princeton	92
	25	McGill	89
	26	Pennsylvania	88
	27	Duke	86
	28	Maryland	84
	29	Southern California	81
	30	Alberta	79
	31	Florida	79
	32	Virginia	78
	33	Iowa	77
	34	Howard	76
	35	Michigan State	76
	36	Temple	76
	37	New York	75
8	38	Kansas	71
	39	Chicago	70
	40	Houston	70
	41	Kentucky	66
	42	Southern Illinois	66
	43	Wayne State	66
	44	Boston	65
	45	MIT	65
	46	Cincinnati	64
	47	Calif., Davis	63
	48	Western Ontario	63
	49	Georgia	62
	50	Hawaii	62
	51	Case Western Reserve	61
	52	Connecticut	61
	53	Massachusetts	59
	54	Syracuse	59
	55	Arizona	58
	56	South Carolina	58
	57	Brigham Young	55
	58	Calif., Santa Barbara	55
	59	Johns Hopkins	55
	60	Missouri	55
	61	Nebraska	55
	62	Virginia Polytechnic	55
	63	Emory	54
	64	Florida State	54
	65	Joint University Libs.	54
	66	Tennessee	54
	67	Calif., San Diego	53
	68	Georgetown	51
	69	Rochester	51
	70	Washington State	51
	71	SUNY-Albany	50
9	72	Louisiana State	49
	73	Miami	49
	74	Oregon	49
	75	Queen's	49
	76	SUNY-Stony Brook	49
	77	York	49
	78	Iowa State	48
	79	Oklahoma	48
	80	Washington, St. Louis	48
	81	Texas A & M	47
	82	Brown	46
	83	Arizona State	43
	84	Colorado State	43
	85	Tulane	43
	86	Utah	43
	87	Alabama	42
	88	Colorado	42
	89	New Mexico	42
	90	Purdue	42
	91	Notre Dame	39
	92	Guelph	38
	93	McMaster	38
	94	Oklahoma State	36
	95	Calif., Riverside	35
	96	Dartmouth	32
	97	Rice	30
	98	Kent State	26

RANK ORDER TABLE 6: NONPROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 450 and over	6- 200-249
2- 400-449	7- 150-199
3- 350-399	8- 100-149
4- 300-349	9- 50- 99
5- 250-299	10- under 50

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	Harvard	528		48	Johns Hopkins	136
	2	Toronto	518		49	Temple	135
					50	Washington, St. Louis	135
3	3	Illinois	398		51	Boston	130
	4	Yale	384		52	Florida	129
					53	Washington State	129
4	5	Texas	326		54	Michigan State	127
	6	Michigan	320		55	Kansas	126
	7	British Columbia	304		56	Kentucky	123
	8	Stanford	302		57	Pittsburgh	122
	9	Indiana	300		58	SUNY-Stony Brook	121
					59	Southern Illinois	120
5	10	Cornell	285		60	Guelph	119
	11	Alberta	277		61	Wayne State	117
	12	Calif., Los Angeles	277		62	Iowa State	114
	13	Columbia	277		63	Texas A & M	113
	14	Pennsylvania State	274		64	Massachusetts	111
					65	Arizona State	110
6	15	Calif., Berkeley	249		66	Iowa	109
	16	McGill	248		67	Missouri	109
	17	Washington	240		68	Howard	108
	18	Western Ontario	238		69	Virginia Polytechnic	107
	19	Wisconsin	236		70	Miami	106
	20	Princeton	235		71	Nebraska	104
	21	Rutgers	213		72	South Carolina	104
	22	Ohio State	209		73	SUNY-Albany	101
					74	New Mexico	100
7	23	Virginia	193				
	24	North Carolina	190	9	75	Colorado	99
	25	New York	181		76	Dartmouth	99
	26	Purdue	176		77	Joint University Libs.	99
	27	Minnesota	175		78	Brown	98
	28	Houston	170		79	Connecticut	97
	29	Maryland	170		80	Utah	97
	30	Queen's	170		81	Calif., Riverside	96
	31	Duke	168		82	Hawaii	94
	32	Calif., Davis	165		83	Florida State	93
	33	Cincinnati	160		84	Case Western Reserve	91
	34	Georgia	159		85	Emory	89
	35	Chicago	157		86	Louisiana State	88
	36	York	156		87	Georgetown	86
	37	McMaster	155		88	Oklahoma	86
	38	Pennsylvania	154		89	Notre Dame	85
	39	Northwestern	150		90	Tulane	82
					91	Oregon	81
8	40	Calif., San Diego	149		92	Colorado State	72
	41	MIT	146		93	Rochester	72
	42	Southern California	146		94	Brigham Young	63
	43	Tennessee	145		95	Kent State	62
	44	Calif., Santa Barbara	143		96	Alabama	61
	45	SUNY-Buffalo	140		97	Rice	51
	46	Syracuse	138				
	47	Arizona	137	10	98	Oklahoma State	49

RANK ORDER TABLE 7: TOTAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 650 and over
2- 600-649
3- 550-599
4- 500-549
5- 450-499
6- 400-449
7- 350-399
8- 300-349
9- 250-299
10- 200-249
11- 150-199
12- under 150

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	Harvard	913		48	Kentucky	254
	2	Toronto	746		49	Syracuse	254
	3	Indiana	675		50	Iowa	251
	4	Illinois	652		51	Queen's	251
2	5	Yale	608				
	6	Calif., Berkeley	602	10	52	Calif., San Diego	249
					53	MIT	244
3	7	Michigan	584		54	York	240
					55	Wayne State	238
4	8	Calif., Los Angeles	540		56	Washington State	233
	9	Texas	525		57	Brigham Young	232
	10	Stanford	522		58	Arizona State	228
	11	Columbia	515		59	Tennessee	227
					60	Hawaii	225
5	12	Washington	488		61	Washington, St. Louis	224
	13	Cornell	483		62	Massachusetts	221
	14	Wisconsin	480		63	Connecticut	219
	15	British Columbia	454		64	Johns Hopkins	219
					65	Howard	215
6	16	Ohio State	438		66	McMaster	210
	17	Minnesota	434		67	Missouri	208
	18	Rutgers	430		68	Georgetown	207
	19	Pennsylvania State	428		69	Joint University Libs.	207
					70	New Mexico	207
7	20	Alberta	388		71	Iowa State	206
	21	Princeton	382		72	Miami	205
	22	McGill	363		73	Utah	205
	23	North Carolina	355		74	Texas A & M	204
					75	Nebraska	202
8	24	Pittsburgh	349		76	SUNY-Stony Brook	201
	25	Maryland	346				
	26	Northwestern	344	11	77	South Carolina	199
	27	Western Ontario	340		78	Louisiana State	196
	28	Duke	323		79	Virginia Polytechnic	194
	29	Virginia	321		80	Brown	185
	30	New York	319		81	Florida State	185
	31	Houston	315		82	Case Western Reserve	182
	32	Pennsylvania	311		83	Oklahoma	180
	33	Southern California	307		84	Colorado	178
	34	Chicago	304		85	SUNY-Albany	177
	35	Michigan State	302		86	Emory	176
					87	Tulane	174
9	36	Cincinnati	288		88	Guelph	172
	37	Florida	287		89	Oregon	168
	38	Calif., Davis	284		90	Calif., Riverside	165
	39	SUNY-Buffalo	278		91	Dartmouth	155
	40	Southern Illinois	277		92	Alabama	154
	41	Calif., Santa Barbara	270		93	Rochester	153
	42	Georgia	264				
	43	Kansas	262	12	94	Notre Dame	149
	44	Temple	260		95	Colorado State	130
	45	Purdue	259		96	Oklahoma State	129
	46	Arizona	255		97	Kent State	115
	47	Boston	255		98	Rice	90

RANK ORDER TABLE 8: MATERIALS EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1-	3,200 and over	6-	1,700-1,999
2-	2,900-3,199	7-	1,400-1,699
3-	2,600-2,899	8-	1,100-1,399
4-	2,300-2,599	9-	800-1,099
5-	2,000-2,299	10-	under 800

Gp	Rank	Institution	Value
1	1	Harvard	4,262,774
	2	Florida	3,724,602
	3	Indiana	3,714,979
	4	Stanford	3,681,762
	5	Toronto	3,372,732
2	6	Calif., Berkeley	3,164,447
	7	Calif., Los Angeles	3,120,650
	8	Yale	3,099,221
	9	Florida State	2,959,081
3	10	Illinois	2,759,245
	11	British Columbia	2,722,613
	12	Rutgers	2,713,000
	13	Texas	2,620,192
	14	Wisconsin	2,607,551
4	15	Washington	2,598,693
	16	Alberta	2,594,383
	17	Michigan	2,529,438
	18	Virginia	2,525,724
	19	Cornell	2,494,732
	20	North Carolina	2,489,464
	21	Arizona	2,481,478
	22	Calif., Davis	2,313,202
5	23	Princeton	2,199,875
	24	Columbia	2,163,221
	25	Iowa	2,125,288
	26	Georgia	2,079,431
	27	Minnesota	2,062,676
6	28	Western Ontario	1,919,188
	29	Southern California	1,892,192
	30	Pennsylvania State	1,860,518
	31	McMaster	1,850,601
	32	Virginia Polytechnic	1,825,894
	33	Houston	1,816,760
	34	Duke	1,801,479
	35	Calif., San Diego	1,722,651
	36	Kansas	1,718,395
	37	Connecticut	1,715,247
	38	Chicago	1,700,385
7	39	McGill	1,688,313
	40	Ohio State	1,676,993
	41	New York	1,675,404
	42	Michigan State	1,663,282
	43	Maryland	1,658,643
	44	Northwestern	1,652,746
	45	Calif., Santa Barbara	1,643,410
	46	Arizona State	1,635,074
	47	Southern Illinois	1,622,240
	48	Pittsburgh	1,566,108
	49	SUNY-Buffalo	1,551,069
	50	Texas A & M	1,549,344
	51	Louisiana State	1,526,627
	52	Emory	1,523,009
	53	South Carolina	1,503,721
	54	Kentucky	1,476,197
	55	Pennsylvania	1,471,368
	56	Iowa State	1,464,652
	57	Nebraska	1,423,331
	58	Missouri	1,404,436
	59	Tennessee	1,402,201
8	60	Washington, St. Louis	1,384,692
	61	Oregon	1,381,080
	62	Purdue	1,326,001
	63	Hawaii	1,323,880
	64	Wayne State	1,295,844
	65	Howard	1,290,499
	66	Rochester	1,262,000
	67	Washington State	1,253,071
	68	York	1,236,444
	69	Johns Hopkins	1,231,659
	70	Cincinnati	1,230,585
	71	Syracuse	1,221,246
	72	Temple	1,210,710
	73	SUNY-Stony Brook	1,202,525
	74	Joint Univ. Libs.	1,196,879
	75	Miami	1,165,687
	76	Boston	1,154,201
	77	Georgetown	1,143,083
	78	New Mexico	1,131,000
	79	Queen's	1,120,146
9	80	Utah	1,094,716
	81	Oklahoma	1,091,606
	82	Dartmouth	1,068,668
	83	SUNY-Albany	1,068,000
	84	Colorado	1,066,787
	85	Notre Dame	1,066,090
	86	Guelph	1,055,334
	87	MIT	1,050,515
	88	Massachusetts	1,030,813
	89	Brown	1,029,616
	90	Calif., Riverside	1,028,195
	91	Alabama	932,375
	92	Tulane	903,180
	93	Case Western Reserve	894,353
	94	Rice	851,070
10	95	Colorado State	781,235
	96	Kent State	635,784
	97	Oklahoma State	631,031

Brigham Young figure not published.

RANK ORDER TABLE 9: MATERIALS AND BINDING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1-	3,600 and over	6-	2,100-2,399
2-	3,300-3,599	7-	1,800-2,099
3-	3,000-3,299	8-	1,500-1,799
4-	2,700-2,999	9-	1,200-1,499
5-	2,400-2,699	10-	900-1,199
		11-	under 900

Gp	Rank	Institution	Value
1	1	Harvard	4,744,833
	2	Florida	4,106,569
	3	Indiana	3,935,102
	4	Stanford	3,923,439
2	5	Toronto	3,564,501
	6	Calif., Los Angeles	3,552,672
	7	Calif., Berkeley	3,481,094
	8	Yale	3,363,867
3	9	Florida State	3,117,626
4	10	Illinois	2,942,339
	11	Washington	2,917,340
	12	British Columbia	2,906,836
	13	Rutgers	2,857,000
	14	Wisconsin	2,834,724
	15	Alberta	2,749,479
	16	Michigan	2,744,950
	17	Texas	2,737,324
5	18	Cornell	2,683,611
	19	Virginia	2,679,958
	20	Arizona	2,643,930
	21	North Carolina	2,640,430
	22	Calif., Davis	2,504,603
6	23	Columbia	2,373,675
	24	Princeton	2,312,707
	25	Iowa	2,303,656
	26	Minnesota	2,242,280
	27	Georgia	2,240,698
7	28	Western Ontario	2,022,652
	29	Southern California	2,001,948
	30	Pennsylvania State	1,970,933
	31	Virginia Polytechnic	1,966,869
	32	Duke	1,924,753
	33	Houston	1,919,362
	34	Chicago	1,916,294
	35	McMaster	1,906,106
	36	Calif., San Diego	1,898,375
	37	Kansas	1,824,029
	38	McGill	1,811,732
	39	Maryland	1,808,244
	40	New York	1,804,830
8	41	Connecticut	1,783,036
	42	Michigan State	1,780,509
	43	Northwestern	1,776,453
	44	Calif., Santa Barbara	1,764,969
	45	Arizona State	1,727,150
	46	Southern Illinois	1,724,894
	47	Pennsylvania	1,709,586
	48	Ohio State	1,706,019
	49	SUNY-Buffalo	1,694,864
	50	Pittsburgh	1,664,112
	51	Texas A & M	1,641,344
	52	Louisiana State	1,619,400
	53	Emory	1,618,106
	54	South Carolina	1,602,642
	55	Kentucky	1,574,026
	56	Iowa State	1,564,851
	57	Nebraska	1,506,484
9	58	Tennessee	1,496,748
	59	Missouri	1,493,636
	60	Washington, St. Louis	1,485,529
	61	Oregon	1,441,821
	62	Hawaii	1,437,880
	63	Purdue	1,402,979
	64	Wayne State	1,375,844
	65	York	1,369,404
	66	Rochester	1,349,000
	67	Washington State	1,347,404
	68	Howard	1,328,507
	69	Johns Hopkins	1,298,325
	70	Temple	1,297,804
	71	Syracuse	1,290,589
	72	Cincinnati	1,290,403
	73	Joint Univ. Libs.	1,277,754
	74	SUNY-Stony Brook	1,277,025
	75	Miami	1,238,604
	76	Georgetown	1,231,135
	77	Boston	1,223,664
	78	New Mexico	1,200,000
10	79	Queen's	1,191,320
	80	Utah	1,174,671
	81	Oklahoma	1,147,758
	82	Brown	1,139,865
	83	Colorado	1,138,800
	84	Calif., Riverside	1,127,595
	85	Notre Dame	1,124,547
	86	MIT	1,121,652
	87	Guelph	1,113,002
	88	SUNY-Albany	1,108,963
	89	Dartmouth	1,101,906
	90	Massachusetts	1,088,017
	91	Tulane	985,157
	92	Alabama	982,513
	93	Case Western Reserve	961,809
11	94	Rice	894,647
	95	Colorado State	858,188
	96	Kent State	690,968
	97	Oklahoma State	680,259

Brigham Young figure not published.

RANK ORDER TABLE 10: SALARIES AND WAGES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1-	8,000 and over	5-	4,000-4,999
2-	7,000-7,999	6-	3,000-3,999
3-	6,000-6,999	7-	2,000-2,999
4-	5,000-5,999	8-	1,000-1,999

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	Toronto	9,958,873		47	Temple	2,680,695
	2	Harvard	9,700,694		48	Hawaii	2,670,292
	3	Calif., Berkeley	9,468,708		49	Kansas	2,595,646
					50	Purdue	2,536,488
2	4	Calif., Los Angeles	7,321,908		51	Houston	2,535,061
					52	Connecticut	2,441,547
3	5	Yale	6,701,980		53	Washington State	2,439,369
	6	British Columbia	6,515,980		54	McMaster	2,436,250
	7	Indiana	6,424,088		55	Arizona	2,384,991
	8	Stanford	6,418,214		56	MIT	2,377,669
	9	Michigan	6,023,018		57	Georgia	2,374,884
					58	Johns Hopkins	2,291,206
4	10	McGill	5,794,068		59	Kentucky	2,289,067
	11	Columbia	5,555,251		60	SUNY-Stony Brook	2,282,155
	12	Minnesota	5,527,549		61	Massachusetts	2,281,650
	13	Washington	5,341,686		62	Georgetown	2,205,481
	14	Illinois	5,179,038		63	Colorado	2,178,775
	15	Texas	5,173,042		64	Guelph	2,129,866
	16	Wisconsin	5,120,118		65	Boston	2,120,519
	17	Rutgers	5,116,000		66	Tennessee	2,068,462
					67	Iowa State	2,053,020
5	18	Alberta	4,957,861		68	Calif., Riverside	2,047,042
	19	Cornell	4,897,503		69	Washington, St. Louis	2,029,697
	20	Pennsylvania State	4,680,684		70	Oregon	2,022,466
	21	Ohio State	4,534,692		71	Utah	2,014,719
6	22	Princeton	3,964,738	8	72	New Mexico	1,991,500
	23	Northwestern	3,847,422		73	Virginia Polytechnic	1,968,322
	24	Western Ontario	3,824,307		74	Syracuse	1,966,898
	25	North Carolina	3,752,257		75	Rochester	1,957,000
	26	Calif., Davis	3,705,068		76	South Carolina	1,956,759
	27	Pennsylvania	3,679,420		77	Arizona State	1,947,663
	28	New York	3,577,711		78	Missouri	1,897,555
	29	Maryland	3,480,421		79	Nebraska	1,889,354
	30	Chicago	3,472,012		80	Miami	1,839,933
	31	Pittsburgh	3,425,697		81	Louisiana State	1,830,771
	32	Virginia	3,283,426		82	SUNY-Albany	1,816,556
	33	Calif., San Diego	3,197,394		83	Case Western Reserve	1,809,937
	34	Calif., Santa Barbara	3,157,819		84	Florida State	1,781,129
	35	Michigan State	3,096,584		85	Joint Univ. Libs.	1,769,554
	36	Southern California	3,078,123		86	Brown	1,707,903
	37	Duke	3,036,444		87	Emory	1,699,187
					88	Texas A & M	1,666,676
7	38	Florida	2,945,462		89	Colorado State	1,633,242
	39	Cincinnati	2,932,299		90	Oklahoma	1,548,021
	40	Howard	2,896,287		91	Tulane	1,432,636
	41	SUNY-Buffalo	2,877,415		92	Dartmouth	1,375,271
	42	Iowa	2,857,126		93	Kent State	1,353,784
	43	Southern Illinois	2,833,006		94	Notre Dame	1,301,510
	44	York	2,821,136		95	Alabama	1,224,345
	45	Wayne State	2,703,261		96	Oklahoma State	1,052,146
	46	Queen's	2,685,954		97	Rice	1,015,638

Brigham Young figure not published.

RANK ORDER TABLE 11: TOTAL OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1-	12,000 and over	7-	6,000-6,999
2-	11,000-11,999	8-	5,000-5,999
3-	10,000-10,999	9-	4,000-4,999
4-	9,000-9,999	10-	3,000-3,999
5-	8,000-8,999	11-	under 3,000
6-	7,000-7,999		

Gp	Rank	Institution	Value
1	1	Harvard	16,623,983
	2	Toronto	14,742,175
	3	Calif., Berkeley	14,520,865
2	4	Calif., Los Angeles	11,933,620
	5	Stanford	11,418,830
	6	Yale	11,364,328
	7	Indiana	11,334,121
3	8	British Columbia	10,399,454
4	9	Michigan	9,453,606
	10	Washington	9,264,753
	11	Illinois	9,184,092
5	12	Columbia	8,701,385
	13	Wisconsin	8,685,559
	14	Texas	8,591,107
	15	Rutgers	8,575,000
	16	Cornell	8,478,564
	17	Minnesota	8,387,458
	18	Alberta	8,071,880
6	19	McGill	7,938,626
	20	Florida	7,485,554
	21	Northwestern	7,348,867
	22	Ohio State	7,242,273
	23	Pennsylvania State	7,189,016
	24	North Carolina	7,004,981
7	25	Princeton	6,867,898
	26	Calif., Davis	6,811,443
	27	Virginia	6,638,975
	28	Chicago	6,414,566
8	29	Western Ontario	5,938,254
	30	Pennsylvania	5,921,598
	31	New York	5,897,484
	32	Calif., San Diego	5,853,732
	33	Maryland	5,802,996
	34	Southern California	5,605,747
	35	Duke	5,504,664
	36	Pittsburgh	5,486,896
	37	Michigan State	5,413,332
	38	Arizona	5,378,628
	39	Calif., Santa Barbara	5,355,049
	40	Iowa	5,348,905
	41	Florida State	5,182,125
	42	Southern Illinois	5,080,585
	43	Houston	5,019,577
	44	Georgia	5,012,116
9	45	SUNY-Buffalo	4,990,950
	46	Kansas	4,976,223
	47	Hawaii	4,787,434
	48	York	4,772,812
	49	Howard	4,614,485
	50	McMaster	4,595,598
	51	Wayne State	4,574,157
	52	Connecticut	4,558,798
	53	Cincinnati	4,519,140
	54	Kentucky	4,511,440
	55	Johns Hopkins	4,470,213
	56	Virginia Polytechnic	4,296,090
	57	Washington State	4,294,739
	58	Purdue	4,250,478
	59	Temple	4,212,468
	60	Washington, St. Louis	4,177,346
	61	Queen's	4,113,731
10	62	Arizona State	3,950,856
	63	Iowa State	3,884,562
	64	SUNY-Stony Brook	3,877,941
	65	MIT	3,874,085
	66	Louisiana State	3,867,513
	67	Tennessee	3,863,798
	68	Georgetown	3,828,829
	69	South Carolina	3,781,463
	70	Nebraska	3,745,429
	71	Joint Univ. Libs.	3,704,193
	72	Oregon	3,676,250
	73	Missouri	3,670,277
	74	Boston	3,652,756
	75	Texas A & M	3,640,445
	76	Massachusetts	3,618,858
	77	Rochester	3,611,000
	78	Calif., Riverside	3,610,759
	79	Colorado	3,581,188
	80	Emory	3,579,474
	81	Miami	3,574,950
	82	Utah	3,573,258
	83	Syracuse	3,512,255
	84	Guelph	3,443,642
	85	New Mexico	3,372,500
	86	SUNY-Albany	3,150,556
	87	Brown	3,150,483
	88	Case Western Reserve	3,030,409
	89	Oklahoma	3,017,548
11	90	Dartmouth	2,871,932
	91	Colorado State	2,846,537
	92	Tulane	2,651,078
	93	Notre Dame	2,608,393
	94	Alabama	2,393,096
	95	Kent State	2,189,951
	96	Rice	2,167,484
	97	Oklahoma State	1,950,607

Brigham Young figure not published.

RANK ORDER TABLE 12: TOTAL ITEMS LOANED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1-	55,000 and over	7-	25,000-29,999
2-	50,000-54,999	8-	20,000-24,999
3-	45,000-49,999	9-	15,000-19,999
4-	40,000-44,999	10-	10,000-14,999
5-	35,000-39,999	11-	5,000-9,999
6-	30,000-34,999	12-	under 5,000

Gp	Rank	Institution	Value
1	1	Minnesota	117,485
	2	Wisconsin	110,052
	3	Washington	109,959
2	4	Illinois	54,980
	5	Calif., Los Angeles	52,238
4	6	Indiana	44,301
	7	Case Western Reserve	42,823
	8	Ohio State	42,502
	9	Harvard	41,650
6	10	McGill	30,131
7	11	Rutgers	29,636
	12	Southern Illinois	28,837
	13	Calif., Davis	28,835
	14	Wayne State	28,538
	15	Oklahoma	27,263
	16	Calif., Berkeley	26,810
	17	Pittsburgh	26,200
	18	Duke	25,371
	19	Kansas	25,290
8	20	Michigan State	23,164
	21	British Columbia	23,158
	22	Chicago	22,101
	23	Cornell	21,901
	24	Stanford	21,447
9	25	Georgia	19,996
	26	Iowa	19,097
	27	North Carolina	18,870
	28	Michigan	18,301
	29	Texas A & M	18,189
	30	Connecticut	17,571
	31	Missouri	17,126
	32	Pennsylvania State	17,028
	33	MIT	16,696
	34	Florida	16,659
	35	Texas	16,108
	36	Calif., San Diego	15,840
	37	Rochester	15,700
10	38	Columbia	14,624
	39	SUNY-Buffalo	14,267
	40	Iowa State	14,261
	41	Cincinnati	13,833
	42	Pennsylvania	13,500
	43	Kentucky	12,857
	44	Emory	12,511
	45	Tennessee	12,457
	46	Kent State	12,419
	47	Yale	12,334
	48	Toronto	11,420
	49	South Carolina	11,250
	50	Purdue	11,233
	51	Nebraska	10,876
	52	Washington, St. Louis	10,769
	53	Colorado	10,466
	54	Tulane	10,120
11	55	New York	9,907
	56	Colorado State	9,603
	57	SUNY-Stony Brook	9,399
	58	Arizona	9,301
	59	Johns Hopkins	9,278
	60	Virginia	9,099
	61	Northwestern	9,034
	62	Oregon	8,973
	63	Maryland	8,891
	64	Miami	8,673
	65	Florida State	8,281
	66	Temple	8,198
	67	Western Ontario	7,943
	68	Dartmouth	7,904
	69	Alberta	7,612
	70	Princeton	7,517
	71	Massachusetts	7,418
	72	SUNY-Albany	7,391
	73	Joint University Libs.	7,246
	74	York	7,123
	75	Houston	7,111
	76	Louisiana State	7,089
	77	Arizona State	7,088
	78	Utah	7,003
	79	Oklahoma State	6,938
	80	Virginia Polytechnic	6,897
	81	Boston	6,865
	82	Southern California	6,709
	83	Hawaii	6,489
	84	Georgetown	5,204
	85	McMaster	5,103
12	86	Washington State	4,826
	87	Queen's	4,415
	88	Brigham Young	4,395
	89	Howard	4,086
	90	New Mexico	4,007
	91	Alabama	3,898
	92	Rice	3,863
	93	Syracuse	3,860
	94	Brown	3,825
	95	Calif., Riverside	3,068
	96	Notre Dame	2,622
	97	Calif., Santa Barbara	2,337
	98	Guelph	1,959

RANK ORDER TABLE 13: TOTAL ITEMS BORROWED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 17,000 and over
2- 15,000-16,999
3- 13,000-14,999
4- 11,000-12,999
5- 9,000-10,999
6- 7,000-8,999
7- 5,000-6,999
8- 3,000-4,999
9- under 3,000

Gp	Rank	Institution	Value
1	1	Wisconsin	24,552
	2	Indiana	24,082
2	3	Minnesota	15,246
5	4	Kansas	9,914
	5	Calif., Berkeley	9,636
6	6	Pittsburgh	8,877
	7	Johns Hopkins	8,704
	8	Oklahoma	8,675
	9	SUNY-Albany	8,571
	10	Texas	8,436
	11	Cincinnati	7,777
	12	Southern Illinois	7,575
	13	Calif., Santa Barbara	7,495
	14	Connecticut	7,412
	15	Yale	7,274
	16	Colorado	7,162
7	17	Ohio State	6,980
	18	Florida	6,975
	19	Texas A & M	6,899
	20	SUNY-Buffalo	6,798
	21	British Columbia	6,792
	22	Calif., Los Angeles	6,745
	23	Pennsylvania	6,676
	24	McGill	6,592
	25	Iowa	6,561
	26	Georgia	6,559
	27	Illinois	6,476
	28	Calif., Riverside	6,343
	29	Rochester	6,300
	30	Tulane	6,032
	31	Pennsylvania State	6,028
	32	Queen's	5,956
	33	Kentucky	5,895
	34	Toronto	5,817
	35	Louisiana State	5,804
	36	Chicago	5,795
	37	Arizona State	5,768
	38	Harvard	5,692
	39	Utah	5,640
	40	McMaster	5,618
	41	Cornell	5,483
	42	Purdue	5,285
	43	Washington	5,230
	44	Massachusetts	5,139
	45	Washington, St. Louis	5,110
	46	North Carolina	5,047
8	47	Oregon	4,954
	48	Alberta	4,842
	49	Michigan	4,789
	50	Calif., San Diego	4,747
	51	SUNY-Stony Brook	4,731
	52	Colorado State	4,686
	53	Michigan State	4,678
	54	Miami	4,559
	55	Case Western Reserve	4,548
	56	Rutgers	4,519
	57	Western Ontario	4,406
	58	Joint University Libs.	4,366
	59	Calif., Davis	4,362
	60	Missouri	4,343
	61	Columbia	4,340
	62	Houston	4,215
	63	Boston	4,198
	64	Brigham Young	4,107
	65	York	3,953
	66	Emory	3,886
	67	Nebraska	3,885
	68	Stanford	3,854
	69	Tennessee	3,838
	70	Northwestern	3,835
	71	Kent State	3,731
	72	Oklahoma State	3,700
	73	MIT	3,629
	74	Iowa State	3,532
	75	Virginia Polytechnic	3,521
	76	South Carolina	3,505
	77	New Mexico	3,427
	78	Temple	3,376
	79	Dartmouth	3,307
	80	Duke	3,243
	81	Syracuse	3,200
	82	New York	3,195
9	83	Arizona	2,967
	84	Alabama	2,965
	85	Princeton	2,958
	86	Georgetown	2,927
	87	Washington State	2,817
	88	Southern California	2,793
	89	Guelph	2,648
	90	Florida State	2,576
	91	Virginia	2,515
	92	Hawaii	2,462
	93	Wayne State	2,293
	94	Notre Dame	2,187
	95	Maryland	2,151
	96	Rice	2,101
	97	Howard	1,915
	98	Brown	1,056

RANK ORDER TABLE 14: CURRENT SERIALS EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1-	1,500 and over	7-	900-999
2-	1,400-1,499	8-	800-899
3-	1,300-1,399	9-	700-799
4-	1,200-1,299	10-	600-699
5-	1,100-1,199	11-	500-599
6-	1,000-1,099	12-	under 500

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	Harvard	2,195,122		48	Johns Hopkins	829,598
	2	Indiana	1,704,992		49	Pennsylvania	829,243
	3	Toronto	1,585,968		50	Calif., Santa Barbara	821,000
	4	Washington	1,565,695		51	Kansas	813,305
2	5	Wisconsin	1,485,372	9	52	Florida State	799,089
	6	Stanford	1,479,727		53	Virginia Polytechnic	791,928
	7	Rutgers	1,474,784		54	Calif., San Diego	787,029
	8	Texas	1,470,671		55	Louisiana State	765,830
	9	Michigan	1,422,338		56	Connecticut	750,058
	10	Illinois	1,421,500		57	Rochester	749,000
	11	Calif., Berkeley	1,403,981		58	North Carolina	746,535
					59	Joint University Libs.	743,255
3	12	Calif., Los Angeles	1,367,795		60	Temple	740,899
					61	SUNY-Albany	736,295
5	13	Columbia	1,196,863		62	Case Western Reserve	723,346
	14	Minnesota	1,184,730		63	Emory	718,644
	15	Calif., Davis	1,166,479		64	Boston	700,607
	16	Iowa	1,164,103		65	York	700,008
	17	Virginia	1,163,457				
	18	Yale	1,163,418	10	66	SUNY-Stony Brook	695,791
	19	Princeton	1,112,294		67	South Carolina	692,720
	20	Georgia	1,110,638		68	Syracuse	689,264
					69	MIT	685,273
6	21	Western Ontario	1,067,314		70	Massachusetts	682,846
	22	Chicago	1,066,014		71	McMaster	681,195
	23	Florida	1,064,000		72	Oregon	664,988
	24	Southern Illinois	1,063,478		73	Oklahoma	658,836
	25	Pennsylvania State	1,025,878		74	Dartmouth	656,401
	26	Tennessee	1,021,688		75	Miami	655,476
					76	Hawaii	649,100
7	27	McGill	974,005		77	Arizona State	635,028
	28	Missouri	968,200				
	29	SUNY-Buffalo	957,103	11	78	Wayne State	598,958
	30	Ohio State	952,842		79	Notre Dame	585,001
	31	Southern California	951,246		80	Alabama	565,941
	32	Northwestern	935,211		81	Tulane	561,603
	33	Michigan State	930,597		82	Colorado	553,243
	34	Duke	928,080		83	Georgetown	546,759
	35	Houston	915,328		84	Cincinnati	541,330
	36	Alberta	902,522		85	Guelph	535,491
					86	Brown	510,928
8	37	Maryland	895,359				
	38	Arizona	891,343				
	39	Kentucky	887,288	12	87	Colorado State	494,830
	40	Iowa State	887,005		88	Queen's	483,500
	41	Washington State	876,816		89	New Mexico	480,500
	42	Pittsburgh	871,039		90	Utah	473,719
	43	Texas A & M	860,886		91	Oklahoma State	469,592
	44	Purdue	860,365		92	Rice	466,936
	45	Nebraska	853,425		93	Howard	462,603
	46	Washington, St. Louis	850,000		94	Calif., Riverside	459,992
	47	New York	839,334		95	Kent State	353,909

British Columbia and Cornell figures not available.
Brigham Young figure not published.

ARL STATISTICS 1978-79

Instructions for Completion of the Questionnaire

1. Definitions of the statistical categories used in this questionnaire can be found in Library Statistics: A Handbook of Concepts, Definitions and Terminology (Chicago: American Library Association, 1966).

2. All figures should be rounded to the nearest whole number.

3. Question 1-5. Use the ALA definition for "Volume" as noted in instruction 1 above. Include duplicates and bound volumes of periodicals. Exclude microforms, nonprint materials, uncataloged items, and government documents unless cataloged. If any of these items must be included, please provide an explanation in footnote 7 on p. 3 of the questionnaire.

4. Question 6. Include duplicate subscriptions. Because of the number of questions raised regarding the counting of serials, we call to your attention the definition to be used for this survey.

   > Publications constituting one issue in a continuous series under the same title published at regular or irregular intervals, over an indefinite period, individual issues in the series being numbered consecutively or each issue being dated. Newspapers as well as publications appearing annually or less frequently are included in the definition.

5. Questions 12-15 - Personnel. All figures should be rounded to the nearest whole number. Report the number of staff in filled positions, or positions which are only temporarily vacant. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library.

6. Question 12. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, such as computer experts, systems analysts, budget officers, etc.

7. Questions 16-22 - Expenditures. Report all expenditures, regardless of whether the funds come from the regular library budget or from special funds, such as research grants. Include federal funds for work study students.

8. Question 21. Exclude expenditures for buildings and maintenance, and for fringe benefits.

9. Question 23. Please note that only the number of Ph.D. degrees awarded are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not required for this survey. If you are unable to provide a figure for Ph.D.s only, please note this in footnote 7 on p. 3 of the questionnaire.

ARL STATISTICS QUESTIONNAIRE, 1978-79

Reporting Library _____

Questionnaire Completed by (Name) _____

Phone Number _____ Date Returned to ARL _____

COLLECTIONS (See instructions 3-4)

1. Volumes held June 30, 1978 (Exclude microforms and govt. docs.)
   (Record figure reported last year) _____

2. Volumes added during year - Gross
   (Exclude microforms and govt. docs.) _____

3. Volumes withdrawn during year
   (Exclude microforms and govt. docs.) _____

4. Volumes added during year - Net (Subtract 3 from line 2) _____

5. Volumes held June 30, 1979 (Add line 1 to line 4) _____

6. Number of current serials, including periodicals, received
   (See instruction 4) _____

7. Reels of microfilm held June 30, 1979 _____

8. Number of microcards held June 30, 1979 _____

9. Number of microprint sheets held June 30, 1979 _____

10. Number of microfiche sheets held June 30, 1979 _____

11. Total microform units held June 30, 1979 (Add lines 7, 8, 9, 10) _____

PERSONNEL (See instructions 5-6)

12. Number of professional staff, FTE _____

13. Number of nonprofessional staff, FTE _____

14. Number of student assistants, FTE _____

15. Total FTE staff (Add lines 12, 13, 14) _____

ARL Statistics Questionnaire - Page 2

EXPENDITURES (See instructions 7-8)

16. Books, serials and other library materials _____

17. Current serials including periodicals (See instruction 4) (Subtotal of 16) _____

18. Binding _____

19. Total library materials and binding (Add lines 16, 18) _____

20. Total salaries and wages, including student assistants' wages (omit fringe benefits if possible) _____

21. Other operating expenditures (See instruction 8) _____

22. Total library expenditures (Add lines 19, 20, 21) _____

Ph.D. DEGREES (See instructions 9-10)

23. Number of Ph.D.s awarded _____

24. Number of fields in which Ph.D.s can be awarded _____

INTERLIBRARY LOANS

25. Items loaned: Originals _____; Photocopies _____; Total _____

26. Items borrowed: Originals _____; Photocopies _____; Total _____

ENROLLMENT - FALL 1978 (See instruction 11)

27. Total full-time graduate students (line 11, columns 13 and 14) _____

28. Total full-time students (line 14, columns 13 and 14) _____

29. Total FTE part-time graduate students (line 25, column 15) _____

30. Total FTE part-time students (line 28,column 15) _____

ARL Statistics Questionnaire - Page 3

FOOTNOTES FOR ARL STATISTICS

(Please compare with footnotes from surveys of previous years.)

1. Law Library statistics are included.

   ____ Yes ____ No ____ We do not have a Law Library.

2. Medical Library statistics are included.

   ____ Yes ____ No ____ We do not have a Medical Library.

3. Figures include statistics for main campus only.

   ____ Yes ____ No ____ We have only one campus.

4. Other libraries not included:

_____

_____

_____

5. Basis of volume count is: ____ Physical ____ Bibliographical

6. Fringe benefits are included in expenditures for salaries and wages. (Question 20)

   ____ Yes ____ No

7. Other comments:

_____

_____

_____

Please return completed questionnaire to ARL Office by October 1, 1979

FOOTNOTES TO ARL STATISTICS, 1978-79

Institution	Category from Main Table	Notes
ALABAMA		Figures include a small library for allied health materials, but not the Medical Library.
ALBERTA		Excludes Extension Library, Boreal Institute Library, and St. Joseph's College Library, College Universitaire, St. Jean.
		Enrollment figures are headcounts, not FTE's.
ARIZONA		Microcard count includes microprint sheets.
BOSTON		Includes the Theology Library.
BOSTON PUBLIC	(4)	Includes 32,028 aperture cards.
	(7)	Does not include 1,391,400 microfilm frames duplicated for other libraries.
BRIGHAM YOUNG		Figures are as of August 31, 1979.
	(12-17)	Not published.
BRITISH COLUMBIA		Holdings are as of March 31, 1979, not June 30, 1979.
	(16)	Excludes photocopying costs of $202,726 offset by revenues.
BROWN		Excludes John Carter Brown Library
CALIF., BERKELEY		Excludes departmental collections not offering public service and not under jurisdiction of the library.
	(1)	1977-78 figure corrected.
CALIF., DAVIS		Includes Sacramento Medical Center Library.

Institution	Category from Main Table	Notes
CALIF., LOS ANGELES	(1)	1977-78 figure corrected.
	(1-3)	Initial volume count in 1940's was bibliographical; subsequent counts of added volumes have been physical.
	(5)	Does not include 1,300 current newspapers and approximately 11,000 newspapers received on microfilm.
		Microfiche count includes microcards and microprint sheets.
CALIF., RIVERSIDE		Microfiche count includes microcards and microprint sheets.
CALIF., SAN DIEGO	(12.5)	Includes microform serials not counted previously.
CASE WESTERN RESERVE	(1-3)	Count is physical for some libraries and bibliographical for others.
	(1,4)	1977-78 figure corrected.
CENTER FOR RES. LIBS.		Microfiche count includes microcards.
CHICAGO	(1-3)	Includes microforms.
		Basis of microform count is bibliographical, not physical.
CINCINNATI	(1)	1977-78 figure included uncataloged government documents.
	(1-4)	Because of variant practices in departmental libraries, count is both physical and bibliographical.
	(18-19)	Media Services staff included for first time.
COLUMBIA		All doctoral degrees reported.
CORNELL	(1-3)	Volume count includes Medical College; all other figures do not.
DARTMOUTH	(1)	Includes approximately 30,000 retrospective volumes not previously counted.

Institution	Category from Main Table	Notes
DUKE	(5)	Includes Law and Medical Library periodicals, but not other serials for these libraries.
		Microfiche count includes microcards and microprint sheets.
EMORY	(5)	Includes depository serials on microcards totaling 2,000; excludes corporate annual reports totaling 2,901.
		Microfiche count includes microcards and microprint sheets.
		Ph. D. fields counted by general fields.
FLORIDA	(1, 12.5)	1977-78 figure corrected.
	(4)	Includes 3,015 Ultrafiche not included in analysis of microform holdings.
FLORIDA STATE		Excludes Research Development School Library.
GEORGETOWN		Excludes Center for Population Research.
	(1)	1977-78 figure corrected.
	(15)	Includes cost figures for the federal share of work study program for the first time.
	(17)	Library computer costs of $60,423 are not included, as they are not charged to the Library's budget.
GUELPH	(17)	Includes cost of computer operations in the amount of $79,679 (maintenance of minicomputer and terminals $30,192 and charges for use of University's main computer $49,487).
HARVARD	(17)	In addition to expenditures enumerated, cost of retirement and benefit programs was $1,481,688, and building charges on budgets of library units came to $1,848,419, making total library expenditures: $19,954,090.

Institution	Category from Main Table	Notes
HAWAII		Excludes Industrial Relations Library, Hawaii Institute of Geophysics Library, and School of Public Health Reference Collection, all not under university library administration.
	(5)	Revised figure based on newly completed physical count.
	(16)	Includes start-up automation costs.
HOUSTON		Includes Clear Lake City Campus Library, Downtown College Library and the Library for Victoria College/U. Houston Victoria Campus. (Victoria Campus Library is now a joint library serving two institutions; Victoria College is not part of the U. Houston system.)
HOWARD		Excludes some department and institute libraries.
	(18-21)	1977-78 figures corrected.
INDIANA		Includes the libraries of the Bloomington campus, of the six Regional Campuses, of I. U.—Purdue University at Indianapolis, and of the I. U. professional schools in Indianapolis (Law, Medicine, Dentistry).
	(1)	1977-78 figure corrected. 1978-79 figure includes 480,821 government publications in a separate Bloomington collection, separately cataloged. It also includes a number of music scores not previously counted and which account for the bulk of the correction in the 1977-78 figure.
	(12-17)	The expenditure figures include $203,174 for salaries and equipment associated with Title II-C and NEH grants. They also include $300,000 in private foundation grants to the Lilly Rare Book Library, and the University's matching grant to the Lilly of $250,000 (these latter funds all used for materials).

Institution	Category from Main Table	Notes
JOHN CRERAR		Figures for collections and expenditures are Crerar Library data only and are for the period October 1, 1977 - September 30, 1978.
	(6-11)	Data covers calendar 1978.
	(18-21)	Includes all service, grant and contract operations (e.g., Regional Medical Library Management Office, National Translations Center, IIT Library operations, Research Information Service).
JOHNS HOPKINS		Excludes School of Advanced International Studies, Bologna, Italy.
	(1)	1977-78 figure corrected.
		Microcard count includes microprint sheets.
JOINT		The Joint University Libraries served Vanderbilt University, Peabody College and Scarritt College.
		Microcard count includes microprint sheets.
KENT STATE	(1)	Includes 260,477 fully cataloged government documents classed by Su-Doc. number.
		Microfiche count includes microcards and microprint sheets.
KENTUCKY		Excludes community colleges.
	(5)	Excludes government document periodicals.
	(12-17)	Includes funds from sources not included in 1977-78 figures.
LIBRARY OF CONGRESS		Holdings are as of September 1979.
	(4)	Microform total includes microforms in Science and Music not counted in analysis of microform holdings. Microform holdings are as of March 1979.
	(15-17)	Estimated figures.

Institution	Category from Main Table	Notes
LINDA HALL		Holdings are as of Dec. 31, 1978.
	(17)	Expenditures for fringe benefits and for building and grounds maintenance total an additional $287,240 (19% of total expenses).
LOUISIANA STATE	(1)	Includes bound government documents but excludes all unbound documents.
	(4)	Microform count adjusted Sept. 1979. Total includes 299,910 government document microforms.
	(5)	Excludes government document periodicals.
McGILL	(1)	1977-78 figure corrected.
		Microcard count includes microprint sheets.
MARYLAND		College of Library and Information Services data are included for collections and expenditures, but not for personnel.
		Microfiche count includes microcards and microprint sheets.
MIAMI		Microfiche count includes microcards and microprint sheets.
MICHIGAN		Excludes Dearborn Campus Library and the University of Michigan, Flint Library.
		Microfiche count includes microcards and microprint sheets.
MICHIGAN STATE	(1)	1977-78 figure corrected.
		Microcard count includes microfiche.
MINNESOTA	(1)	Includes two previously unreported collections totaling 30,936 volumes.
NAT. AGRIC. LIB.	(1-4)	Count is part physical, part bibliographical.

Institution	Category from Main Table	Notes
NAT. LIB. OF CANADA	(1-11)	Figures are as of March 31, 1979.
	(5)	Does not include annuals.
NAT. LIB. OF MED.	(1)	Documents are not counted separately.
	(12-21)	Statistics on personnel and expenditures reflect only the Library Operations component of the National Library of Medicine, namely: Reference Services Division, Bibliographic Services Division, Technical Services Division, History of Medicine Division, and the Office of the Associate Director for Library Operations.
		Microfiche count is a title count.
NEBRASKA	(17)	Includes computer operations.
NEWBERRY	(13)	Expenditures for in-house bindery which is part of a complex including conservation lab and the bindery. The expenditure for the conservation lab was an additional $3,246.
NEW MEXICO		Excludes Gallup Branch and several extension centers.
		Microfiche count includes microcards and microprint sheets.
NEW YORK	(2)	Some adjustments have been made in collecting these figures from previous years.
	(12.5)	Does not include Business Library and Dental Library periodicals.
NEW YORK PUBLIC	(5)	Beginning in 1976 serial count comprised both serials and periodicals. Prior to 1976 only periodical titles were reported. Includes current and dead titles; no separate count kept of current cataloged titles.
		Microcard count includes microprint sheets.

Institution	Category from Main Table	Notes
NEW YORK STATE	(1-3)	Includes government documents.
	(5)	Estimated figure.
	(18-21)	Filled positions.
NORTH CAROLINA	(12.5)	Serials expenditures for Health Sciences and Law Libraries inadvertently omitted in 1977-78 report.
	(15)	Does not include wages of $42,460 for work-study students paid from federal and state funds.
		Figures include some other doctoral degrees, but not M.D., J.D., or D.D.S.
NORTHWESTERN		Dental Library statistics are included in all figures.
	(1)	1977-78 figure corrected.
	(15)	Includes $188,605 of project staff salaries and $201,460 of federally-paid work/study wages.
	(17)	Includes $408,645 of project expenses.
	(18, 19, 21)	Includes 2 3/4 professional and 2 nonprofessional project staff.
NOTRE DAME	(1)	1977-78 figure corrected.
	(4)	Does not include microforms in various departmental collections, and reflects the transfer of all microforms from the Law Library to another part of the University.
OHIO STATE		Excludes Regional Campuses.
OKLAHOMA	(4)	Total based on a new estimated count.
OKLAHOMA STATE		Excludes OSU Technical Institute in Oklahoma City and OSU School of Technical Training in Okmulgee.

Institution	Category from Main Table	Notes
OREGON		Includes Instructional Media Center.
	(12.5)	Includes categories of material omitted in previous years.
	(15)	Includes federal funds which were excluded in previous years.
	(16)	Previous years' figures included fringe benefits.
PENNSYLVANIA STATE		Excludes Capitol Campus at Middletown, Pennsylvania.
		Microcard count includes microfiche.
PITTSBURGH	(1)	1977-78 volume count corrected. Government documents are classified by Government classification schemes and are included in volume count.
		Includes 4 regional campus libraries.
	(15, 17)	Does not include salary information for the Director.
PRINCETON	(1)	1977-78 figure corrected.
	(18, 19, 21)	Includes 20 FTE temporary positions.
QUEEN'S		Excludes Library of the Industrial Relations Centre.
	(4)	Microfiche count for 1976-77 and 1977-78 adjusted.
RICE	(1)	Excludes 110,264 government documents previously included in volume count.
ROCHESTER	(1)	Sibley Music Library count adjusted from previous year.

Institution	Category from Main Table	Notes
RUTGERS		System includes two law libraries, services to a non-Rutgers medical school, colleges and professional schools in Camden, Newark, and New Brunswick.
	(1)	Revised count.
	(18-19)	Does not include 11 professional staff and 19 nonprofessional staff employed in the library who are funded from external sources.
	(20)	Excludes federally funded work study students.
SMITHSONIAN		Excludes Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, and Freer Gallery of Art.
		Figures are for October 1, 1978 - September 30, 1979.
	(12-17)	Excludes National Collection of Fine Arts and National Portrait Gallery.
SOUTH CAROLINA	(1)	1977-78 figure corrected.
SOUTHERN CALIF.		Includes the Andrus Gerontology Center Library and the Hancock Library of Biology and Oceanography. Does not include the Safety and Systems Management Library.
SOUTHERN ILLINOIS	(1)	1977-78 figure corrected.
		Excludes Center for Dewey Studies, Papers of Illysses S. Grant, Instructional Design Faculty of Learning Resources Service.
STANFORD	(1)	1977-78 figure corrected.
		Microfiche count includes microcards and microprint sheets.
SUNY, ALBANY	(20)	Excludes students assigned to the library from College Work Study Program (147 students).

Institution	Category from Main Table	Notes
SUNY, BUFFALO		All figures as of March 31, 1979.
SUNY, STONY BROOK		Excludes Library of the Institute for the Advanced Study of World Religions.
		Figures as of March 31, 1979, except for Ph.D data which is for the academic year.
	(1)	Includes adjusted figure for 1977-78 reported by Health Sciences Library.
SYRACUSE		Excludes Utica College.
TEMPLE		Excludes Instructional Materials; Journalism; Health, Physical Education, Recreation, and Dance Libraries; and other departmental collections.
TENNESSEE		Excludes University of Tennessee Space Institute, Tullahoma.
		Microfiche count includes microcards and microprint sheets.
TEXAS		All figures are as of August 21, 1979 and include the LBJ School of Public Affairs Library and the Humanities Research Center.
	(5)	Estimated figure.
	(21)	Includes staff hired on grant funds and staff in the Film Library which was administratively moved to the General Libraries September 1, 1978.
TEXAS A & M	(1-4)	Holdings are as of August 31,1979.
	(1-3)	Includes government documents.
	(5)	1977-78 figure corrected.
TORONTO		Includes only the libraries of the university within the President's budget; excludes the libraries of the federated and affiliated institutions.
	(1)	Includes government documents, some of which are catalogued.

Institution	Category from Main Table	Notes
TULANE		Microfiche count includes microcards and microprint sheets.
VIRGINIA	(1)	1977-78 figure corrected.
VIRGINIA POLY.		Microcard count includes microprint sheets.
WASHINGTON	(1)	1977-78 figure corrected.
		Microcard count includes microprint sheets.
WASHINGTON STATE	(15-21)	Includes Audio Visual Center.
WASHINGTON, ST. LOUIS	(4)	Excludes Medical School Library holdings.
	(12.5)	Estimated figure.
WAYNE STATE		Excludes Southfield Extension Library.
WESTERN ONTARIO		Excludes libraries of 3 affiliated colleges, School of Library and Information Science, libraries operated within single university departments.
	(1)	1977-78 figure corrected.
	(1-5)	Holdings are as of April 30, 1979.
	(16)	Net figure, after cost recoveries.
YALE	(17)	Total library expenditures exclude employee benefits $1,033,110; utility costs, $609,823; building and grounds maintenance (including insurance), $703,059; and University General Administrative charges of $698,902. The total reported library expenditures excluding capital costs and amortization are $14,400,222.
YORK		Statistical information on enrollment is kept on basis of fiscal full-time equivalents and separate records not maintained for part-time enrollments.
		Microfiche count includes microcards and microprint sheets.

Association of Research Libraries
1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 (202) 232-2466

ARL Statistics 1978-79

ERRATA

Pages 12-13 - University Medians

Column 5 - Current Serials = 18,969

Column 12 - Materials Expenditures = $1,558,589

Column 12.5 - Serials Expenditures = $829,421

Column 13 - Binding Expenditures = $100,518

Column 14 - Materials and Binding Expenditures = $1,696,344

(These corrected medians do not affect data cited elsewhere in the Statistics.)

Pages 22-24 - Summary of Rank Order Tables

Please substitute the attached replacement pages.

1/14/80

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SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the fourteen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions which are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library
Table 2 - Volumes Added (Gross)
Table 3 - Microform Holdings
Table 4 - Current Serials
Table 5 - Professional Staff (FTE)
Table 6 - Nonprofessional Staff (FTE)
Table 7 - Total Staff (FTE)
Table 8 - Materials Expenditures
Table 9 - Materials & Binding Expenditures
Table 10 - Salaries & Wages Expenditures
Table 11 - Total Operating Expenditures
Table 12 - Total Items Loaned
Table 13 - Total Items Borrowed
Table 14 - Current Serials Expenditures

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Alabama	85	76	70	88	87	96	92	91	92	95	94	91	84	80
Alberta	36	27	38	75	30	11	20	16	15	18	18	69	48	36
Arizona	29	23	47	52	55	47	46	21	20	55	38	58	83	38
Arizona State	66	36	62	62	83	65	58	46	45	77	62	77	37	77
Boston	80	92	60	36	44	51	47	76	77	65	74	81	63	64
Brigham Young	68	65	86	59	57	94	57	N/A	N/A	N/A	N/A	88	64	N/A
British Columbia	34	33	4	38	21	7	15	11	12	6	8	21	21	N/A
Brown	57	91	94	73	82	78	80	89	82	86	87	94	98	86
Calif., Berkeley	4	8	30	1	8	15	6	6	7	3	3	16	5	11
Calif., Davis	60	49	36	15	47	32	38	22	22	26	26	13	59	15
Calif., Los Angeles	13	12	17	7	5	12	8	7	6	4	4	5	22	12
Calif., Riverside	95	95	84	55	95	81	90	90	84	68	78	95	28	94
Calif., San Diego	74	60	88	30	67	40	52	35	36	33	32	36	50	54
Calif., Santa Barbara	76	77	31	54	58	44	41	45	44	34	39	97	13	50
Case Western Reserve	70	96	97	83	51	84	82	93	93	83	88	7	55	62
Chicago	12	7	87	14	39	35	34	38	34	30	28	22	36	22
Cincinnati	86	87	65	65	46	33	36	70	72	39	53	41	11	84
Colorado	43	62	13	90	88	75	84	84	83	63	79	53	16	82
Colorado State	89	71	95	61	84	92	95	95	95	89	91	56	52	87
Columbia	7	17	10	6	9	13	11	24	23	11	12	38	61	13
Connecticut	51	52	50	49	52	79	63	37	41	52	52	30	14	56
Cornell	11	16	11	10	14	10	13	19	18	19	16	23	41	N/A
Dartmouth	69	68	83	60	96	76	91	82	89	92	90	68	79	74

N/A = Not available

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Duke	19	38	98	19	27	31	28	34	32	37	35	18	80	34
Emory	58	58	76	72	63	85	86	52	53	87	80	44	66	63
Florida	33	10	45	37	31	52	37	2	2	38	20	34	18	23
Florida State	72	48	16	80	64	83	81	9	9	84	41	65	90	52
Georgetown	87	54	93	64	68	87	68	77	76	62	68	84	86	83
Georgia	40	34	20	21	49	34	42	26	27	57	44	25	26	20
Guelph	92	44	90	97	92	60	88	86	87	64	84	98	89	85
Harvard	1	2	12	2	1	1	1	1	1	2	1	9	38	1
Hawaii	52	55	56	26	50	82	60	63	62	48	47	83	92	76
Houston	54	42	7	58	40	28	31	33	33	51	43	75	62	35
Howard	93	85	81	94	34	68	65	65	68	40	49	89	97	93
Illinois	3	9	33	3	11	3	4	10	10	14	11	4	27	10
Indiana	6	3	23	13	2	9	3	3	3	7	7	6	2	2
Iowa	28	29	32	25	33	66	50	25	25	42	40	26	25	16
Iowa State	79	59	63	51	78	62	71	56	56	67	63	40	74	40
Johns Hopkins	27	90	58	76	59	48	64	69	69	58	55	59	7	48
Joint University	61	78	64	69	65	77	69	74	73	85	71	73	58	59
Kansas	32	31	69	27	38	55	43	36	37	49	46	19	4	51
Kent State	77	47	74	95	98	95	97	96	96	93	95	46	71	95
Kentucky	48	66	14	32	41	56	48	54	55	59	54	43	33	39
Louisiana State	45	67	68	56	72	86	78	51	52	81	66	76	35	55
MIT	46	53	73	50	45	41	53	87	86	56	65	33	73	69
Maryland	73	63	42	66	28	29	25	43	39	29	33	63	95	37
Massachusetts	53	51	85	78	53	64	62	88	90	61	76	71	44	70
McGill	38	46	96	67	25	16	22	39	38	10	19	10	24	27
McMaster	96	94	75	91	93	37	66	31	35	54	50	85	40	71
Miami	78	79	61	82	73	70	72	75	75	80	81	64	54	75
Michigan	5	15	21	9	6	6	7	17	16	9	9	28	49	9
Michigan State	23	22	59	34	35	54	35	42	42	35	37	20	53	33
Minnesota	15	30	53	12	12	27	17	27	26	12	17	1	3	14
Missouri	35	64	6	46	60	67	67	58	59	78	73	31	60	28
Nebraska	62	57	67	43	61	71	75	57	57	79	70	51	67	45
New Mexico	94	56	41	85	89	74	70	78	78	72	85	90	77	89
New York	22	20	35	35	37	25	30	41	40	28	31	55	82	47
North Carolina	24	14	40	18	18	24	23	20	21	25	24	27	46	58
Northwestern	21	39	78	23	22	39	26	44	43	23	21	61	70	32
Notre Dame	67	93	89	74	91	89	94	85	85	94	93	96	94	79

N/A = Not available

INSTITUTION	TABLES													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ohio State	17	21	27	22	19	22	16	40	48	21	22	8	17	30
Oklahoma	50	86	57	70	79	88	83	81	81	90	89	15	8	73
Oklahoma State	84	97	77	93	94	98	96	97	97	96	97	79	72	91
Oregon	64	82	92	40	74	91	89	61	61	70	72	62	47	72
Pennsylvania	20	41	34	29	26	38	32	55	47	27	30	42	23	49
Pennsylvania State	31	40	5	39	20	14	19	30	30	20	23	32	31	25
Pittsburgh	25	25	52	48	7	57	24	48	50	31	36	17	6	42
Princeton	18	37	44	20	24	20	21	23	24	22	25	70	85	19
Purdue	65	89	66	53	90	26	45	62	63	50	58	50	42	44
Queen's	75	88	91	79	75	30	51	79	79	46	61	87	32	88
Rice	98	98	54	96	97	97	98	94	94	97	96	92	96	92
Rochester	55	73	28	89	69	93	93	66	66	75	77	37	29	57
Rutgers	30	28	39	33	17	21	18	12	13	17	15	11	56	7
SUNY Albany	97	84	26	77	71	73	85	83	88	82	86	72	9	61
SUNY Buffalo	41	35	25	47	23	45	39	49	49	41	45	39	20	29
SUNY Stonybrook	90	75	29	86	76	58	76	73	74	60	64	57	51	66
South Carolina	49	24	22	63	56	72	77	53	54	76	69	49	76	67
Southern California	37	26	51	28	29	42	33	29	29	36	34	82	88	31
Southern Illinois	56	61	15	45	42	59	40	47	46	43	42	12	12	24
Stanford	8	11	9	17	10	8	10	4	4	8	5	24	68	6
Syracuse	42	50	19	42	54	46	49	71	71	74	83	93	81	68
Temple	59	69	82	81	36	49	44	72	70	47	59	66	78	60
Tennessee	63	70	43	31	66	43	59	59	58	66	67	45	69	26
Texas	9	1	8	4	13	5	9	13	17	15	14	35	10	8
Texas A & M	82	43	49	68	81	63	74	50	51	88	75	29	19	43
Toronto	10	4	46	16	4	2	2	5	5	1	2	48	34	3
Tulane	71	83	79	92	85	90	87	92	91	91	92	54	30	81
Utah	39	18	37	57	86	80	73	80	80	71	82	78	39	90
Virginia	26	19	3	44	32	23	29	18	19	32	27	60	91	17
Virginia Polytechnic	91	45	2	41	62	69	79	32	31	73	56	80	75	53
Washington	14	6	1	11	15	17	12	15	11	13	10	3	43	4
Washington State	88	81	24	24	70	53	56	67	67	53	57	86	87	41
Washington, St. Louis	47	74	72	71	80	50	61	60	60	69	60	52	45	46
Wayne State	44	72	80	84	43	61	55	64	64	45	51	14	93	78
Western Ontario	81	32	55	N/A	48	18	27	28	28	24	29	67	57	21
Wisconsin	16	13	18	8	16	19	14	14	14	16	13	2	1	5
Yale	2	5	48	5	3	4	5	8	8	5	6	47	15	18
York	83	80	71	87	77	36	54	68	65	44	48	74	65	65

N/A = Not available